# PRELIMINARY REPORT OF 050814

### last update on Sun Aug 14 10:50:01 GMT 2005



## 1 - Introduction

This report is based on the analysis of wave mode level-1 cross spectra (ASA_WVS_1P), global monitoring products (ASA_GM1_1P), which are the available few hours after the acquisition, on the browse (BP) products and
on the Module Stepping (MS) product.

## 2 - Summary

### 2.1 - Instrument Unavailability

No unavailabilities during the reported period.

### 2.2 - Auxiliary files

**Summary of the auxiliary files used from 2005-08-13 00:00:00 to 2005-08-14 10:50:01**

| PDHS-K | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |

| | | | | | |
|---|---|---|---|---|---|
| ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000 | 21 | 44 | 15 | 4 | 0 |
| ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000 | 21 | 44 | 15 | 4 | 0 |
| ASA_XCA_AXVIEC20050803_152145_20040412_000000_20051231_000000 | 21 | 44 | 15 | 4 | 0 |
| ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000 | 21 | 44 | 15 | 4 | 0 |

| PDHS-E | | | | | |
|---|---|---|---|---|---|
| **AUXILIARY FILE** | **WVS** | **GM1** | **IMM** | **APM** | **WSM** |
| ASA_CON_AXVIEC20050324_172815_20030601_000000_20051231_000000 | 39 | 49 | 37 | 13 | 25 |
| ASA_INS_AXVIEC20041215_180208_20030211_000000_20051231_000000 | 39 | 49 | 37 | 13 | 25 |
| ASA_XCA_AXVIEC20050803_152145_20040412_000000_20051231_000000 | 39 | 49 | 37 | 13 | 25 |
| ASA_XCH_AXVIEC20041215_180350_20020301_000000_20051231_000000 | 39 | 49 | 37 | 13 | 25 |

### 2.3 - Browse Visual Inspection

### 2.4 - Data Analysis

-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

## 3 - Module Stepping Mode

No anomalies observed on available MS products:

| Polarisation | Start Time |
|---|---|
| V | 20050813 204908 |
| H | 20050812 143821 |

**MSM in V/V polarisation**

| Pre-launch Reference | DDS-B (2003-06-12) reference |
|---|---|
| | |
| | |
| | |
| | |

**MSM in H/H polarisation**

| Pre-launch Reference | DDS-B (2003-06-12) reference |
|---|---|
| ☒ | ☒ |
| ☒ | ☒ |
| ☒ | ☒ |
| ☒ | ☒ |

# 4 - Internal calibration Results

No anomalies observed.

## 4.1 - Daily statistics

### 4.1.1 - Evolution for WVS

| Evolution of cal pulses for WVS |
|---|
| ☒ |
| ☒ |

### 4.1.2 - Evolution for GM1

| Evolution of cal pulses for GM1 |
|---|
| ☒ |
| ☒ |

## 4.2 - Cyclic statistics

### 4.2.1 - Evolution for WVS

| Evolution of cal pulses for WVS |
|---|
| ☒ |

### P1a Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|

### P1 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P1 | -3.317742 | 0.026354 | -0.001638 |
| 7 | P1 | -3.157600 | 0.027076 | -0.059591 |
| 11 | P1 | -4.711680 | 0.033099 | -0.030844 |
| 15 | P1 | -5.592178 | 0.051150 | -0.067956 |
| 19 | P1 | -3.797718 | 0.004203 | -0.048213 |
| 22 | P1 | -4.638201 | 0.093153 | 0.012768 |
| 26 | P1 | -4.848999 | 0.122308 | 0.041823 |
| 30 | P1 | -7.243434 | 0.124920 | 0.011093 |
| 3 | P1 | -15.549377 | 0.077249 | 0.073013 |
| 7 | P1 | -15.520859 | 0.147092 | -0.024409 |
| 11 | P1 | -21.743168 | 0.264929 | -0.183977 |
| 15 | P1 | -11.294209 | 0.067882 | -0.004135 |
| 19 | P1 | -14.491804 | 0.036303 | -0.056432 |
| 22 | P1 | -15.692333 | 0.344296 | 0.168592 |
| 26 | P1 | -17.349123 | 0.199394 | 0.199087 |
| 30 | P1 | -17.774126 | 0.398864 | -0.170604 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -21.815981 | 0.083228 | 0.093794 |
| 7 | P2 | -21.974216 | 0.100018 | 0.112055 |
| 11 | P2 | -13.565824 | 0.106010 | 0.188645 |
| 15 | P2 | -7.070451 | 0.090966 | 0.023483 |
| 19 | P2 | -9.590259 | 0.094148 | -0.016065 |
| 22 | P2 | -16.838100 | 0.095990 | 0.041254 |
| 26 | P2 | -16.509346 | 0.097296 | -0.017171 |
| 30 | P2 | -18.797890 | 0.085988 | -0.029467 |

### P3 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -8.157563 | 0.002555 | -0.006797 |
| 7 | P3 | -8.157563 | 0.002555 | -0.006797 |
| 11 | P3 | -8.157563 | 0.002555 | -0.006797 |
| 15 | P3 | -8.157563 | 0.002555 | -0.006797 |
| 19 | P3 | -8.157563 | 0.002555 | -0.006797 |
| 22 | P3 | -8.157563 | 0.002555 | -0.006797 |
| 26 | P3 | -8.157563 | 0.002555 | -0.006797 |
| 30 | P3 | -8.157563 | 0.002555 | -0.006797 |

#### 4.2.2 - Evolution for GM1

| Evolution of cal pulses for GM1 |
|---|
|  |

#### P1a Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|

#### P1 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P1 | -2.805841 | 0.088712 | -0.068399 |
| 7 | P1 | -2.972131 | 0.056655 | -0.044678 |
| 11 | P1 | -4.012989 | 0.016242 | -0.050565 |
| 15 | P1 | -3.613490 | 0.058741 | -0.098380 |
| 19 | P1 | -3.632432 | 0.015590 | 0.009865 |
| 22 | P1 | -5.692472 | 0.098749 | -0.026737 |
| 26 | P1 | -7.394348 | 0.166327 | 0.039956 |
| 30 | P1 | -6.327429 | 0.097339 | 0.047590 |
| 3 | P1 | -10.893231 | 0.052230 | -0.206260 |
| 7 | P1 | -10.470253 | 0.164906 | -0.042894 |
| 11 | P1 | -12.641492 | 0.103241 | -0.043898 |
| 15 | P1 | -11.602114 | 0.096791 | 0.011853 |
| 19 | P1 | -15.505749 | 0.067396 | 0.105381 |
| 22 | P1 | -25.629086 | 2.852692 | 0.230720 |
| 26 | P1 | -15.306668 | 0.310363 | 0.184586 |
| 30 | P1 | -20.059963 | 1.265983 | -0.065950 |

### P2 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P2 | -17.549170 | 0.044161 | 0.142237 |
| 7 | P2 | -22.024771 | 0.038336 | 0.045245 |
| 11 | P2 | -9.603657 | 0.063792 | 0.179765 |
| 15 | P2 | -5.107981 | 0.041310 | 0.033654 |
| 19 | P2 | -6.888179 | 0.062074 | 0.044072 |
| 22 | P2 | -7.060164 | 0.037284 | 0.039597 |
| 26 | P2 | -23.967541 | 0.037506 | 0.014976 |
| 30 | P2 | -21.950293 | 0.042546 | 0.009270 |

### P3 Cyclic statistics

| row | pulse | mean (dB) | stdev (dB) | slope(dB/cycle) |
|---|---|---|---|---|
| 3 | P3 | -7.999273 | 0.004015 | -0.003720 |
| 7 | P3 | -7.999160 | 0.004002 | -0.003916 |
| 11 | P3 | -7.999143 | 0.004017 | -0.004040 |
| 15 | P3 | -7.999088 | 0.004013 | -0.003725 |
| 19 | P3 | -7.999175 | 0.004013 | -0.003669 |
| 22 | P3 | -7.999162 | 0.004005 | -0.003466 |
| 26 | P3 | -7.999104 | 0.003996 | -0.003523 |
| 30 | P3 | -7.999105 | 0.003996 | -0.003801 |

## 4.3 - cal pulses monitoring (all rows)

### 4.3.1 - Evolution for WVS

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### 4.3.2 - Evolution for GM1

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# 5 - RAW data statistics

No anomalies observed.

### 5.1 - Input mean I/Q

| channel | stat | DSS-B |
|---|---|---|
| MEAN I | mean | 0.000458089 |
| | stdev | 2.22445e-07 |
| MEAN Q | mean | 0.000488264 |
| | stdev | 2.34928e-07 |



### 5.2 - Input stdev I/Q

| channel | stat | DSS-B |
|---|---|---|
| STDEV I | mean | 0.127968 |
| | stdev | 0.000996604 |
| STDEV Q | mean | 0.128225 |
| | stdev | 0.00100680 |



### 5.3 - Gain imbalance I/Q



## 6 - Telemetry analysis

Summary of analysis for the last 3 days 2005081[234]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems

| Filename | num_gaps | num_missing_lines |
|---|---|---|
| ASA_IMM_1PNPDE20050812_004347_000001572039_00446_18035_2259.N1 | 1 | 0 |
| ASA_WSM_1PNPDE20050812_014214_000000612039_00446_18035_4254.N1 | 0 | 1 |
| ASA_WSM_1PNPDE20050813_162408_000000912039_00470_18059_4387.N1 | 0 | 42 |

# 7 - Doppler Analysis

Preliminary report.The data is not yet controled

## 7.1 - Unbiased Doppler Error for WVS

| Evolution of unbiased Doppler error (Real - Expected) |
| --- |
|  |
| Acsending |
|  |
| Descending |

## 7.2 - Absolute Doppler for WVS

| Evolution of Absolute Doppler |
| --- |
|  |
| Acsending |
|  |
| Descending |

## 7.3 - Doppler evolution versus ANX for WVS

| Evolution Doppler error versus ANX |
| --- |
|  |

## 7.4 - Unbiased Doppler Error for GM1

| Evolution of unbiased Doppler error (Real - Expected) |
| --- |
|  |
| Acsending |
|  |

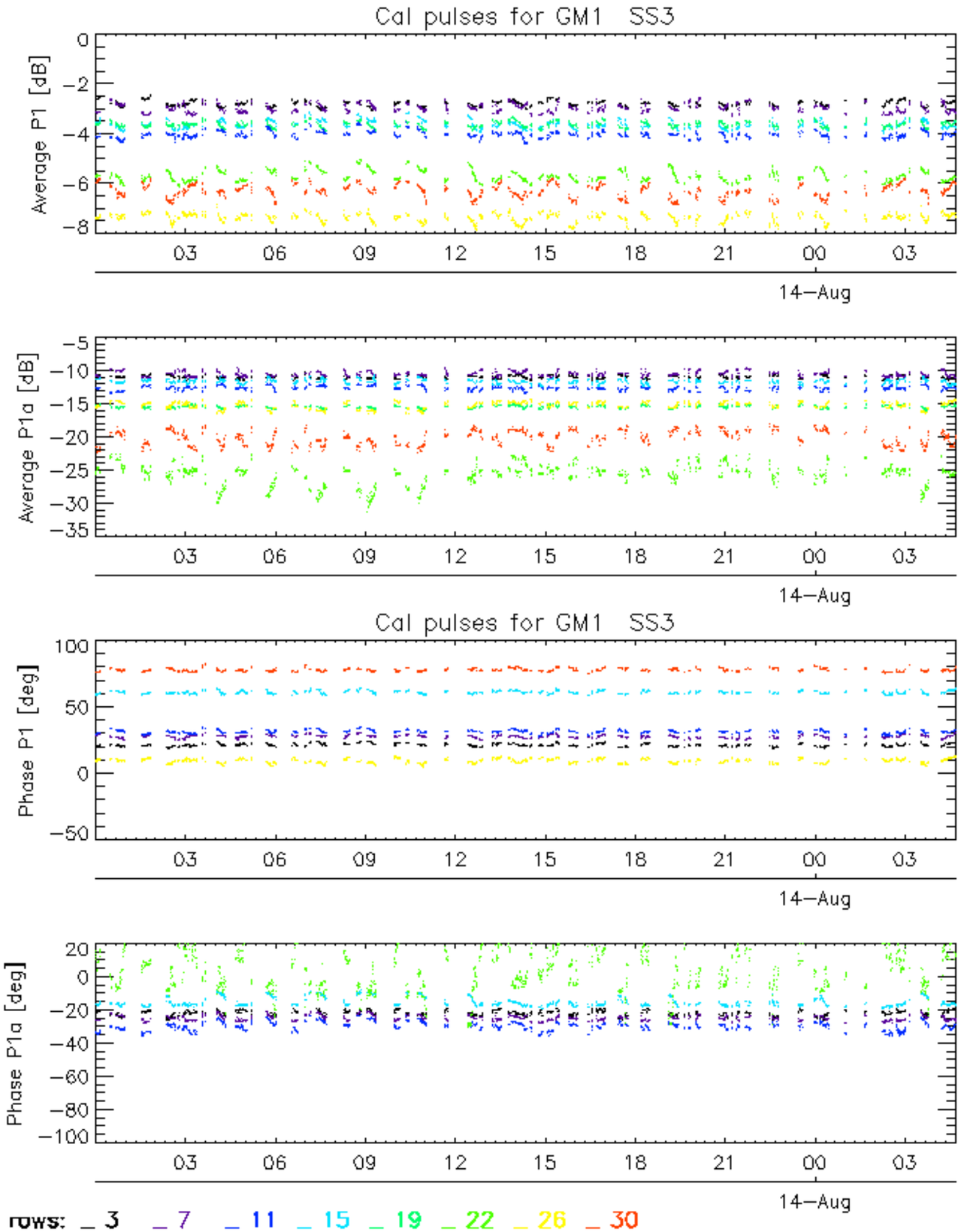
| |
|---|
| Descending |

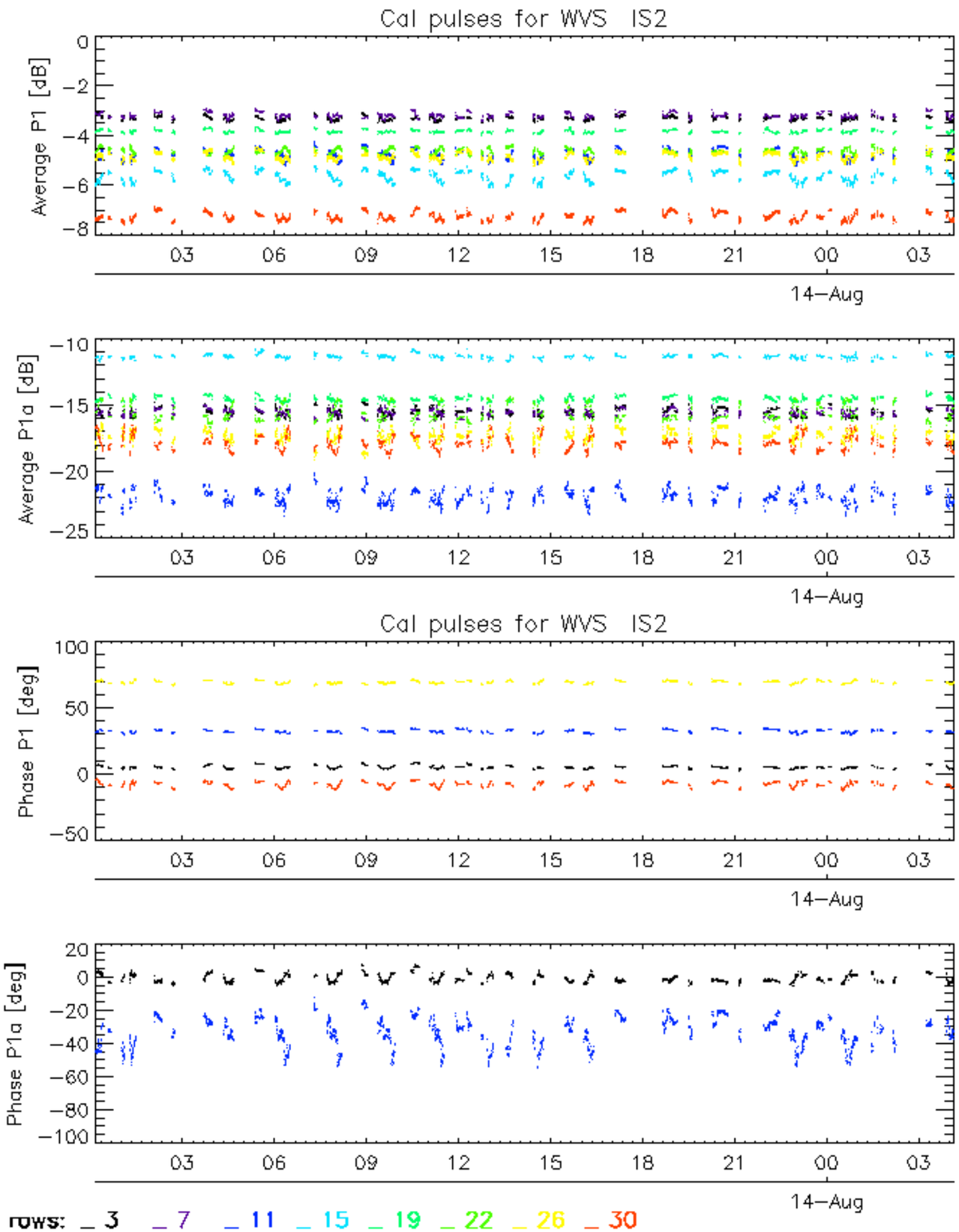
## 7.5 - Absolute Doppler for GM1

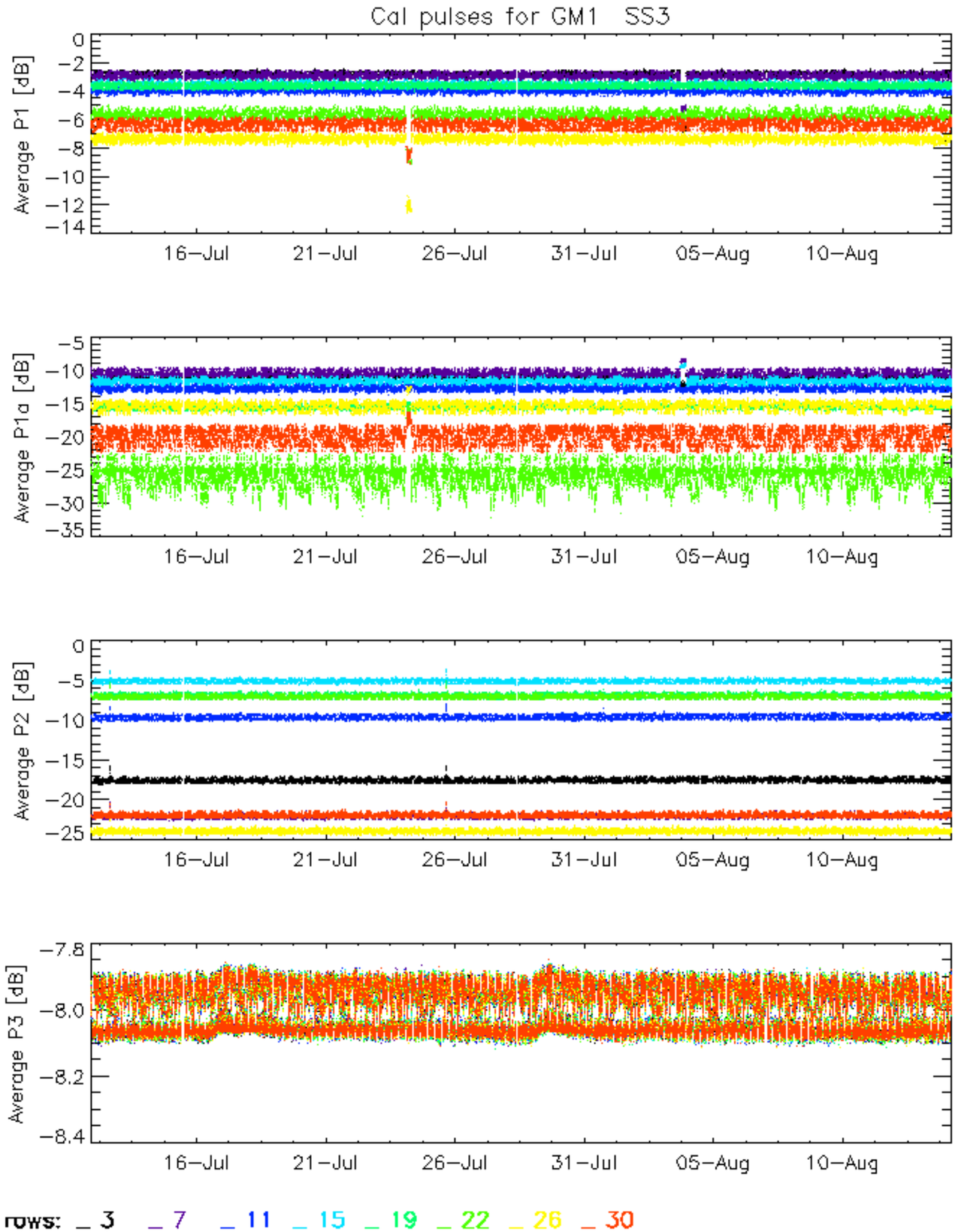
| **Evolution of Absolute Doppler** |
|---|
| ☒ |
| Acsending |
| ☒ |
| Descending |

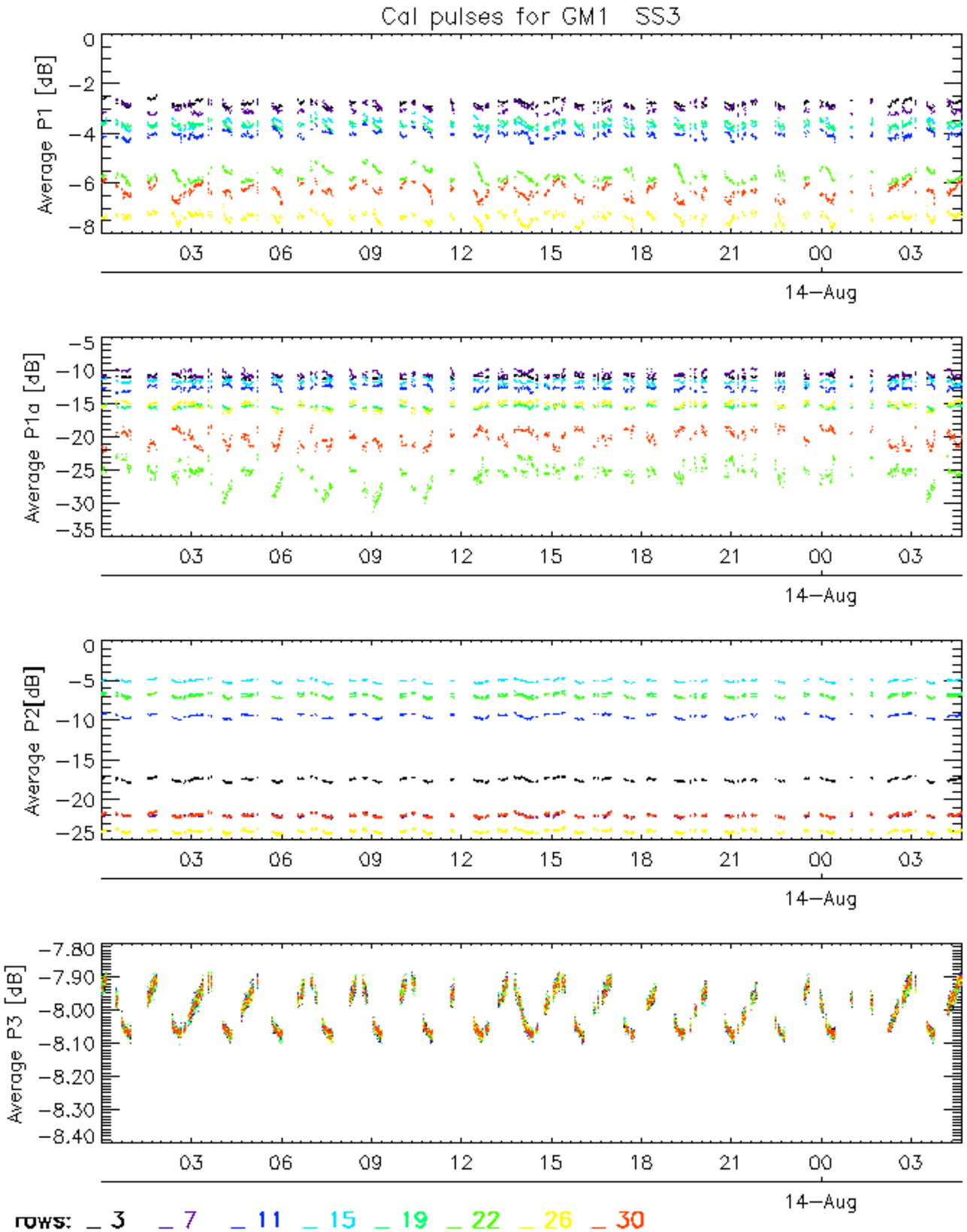
## 7.6 - Doppler evolution versus ANX for GM1

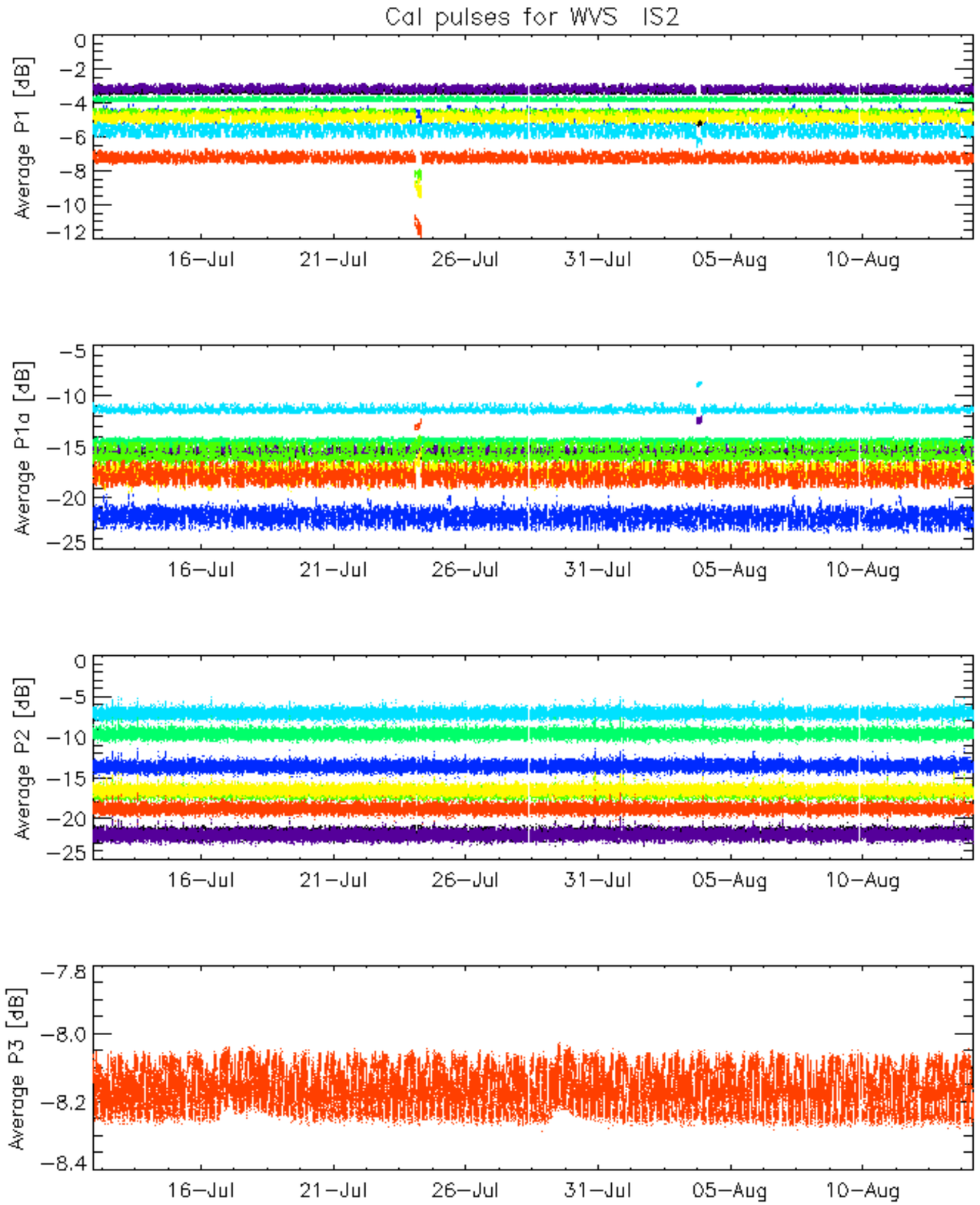
| **Evolution Doppler error versus ANX** |
|---|
| ☒ |

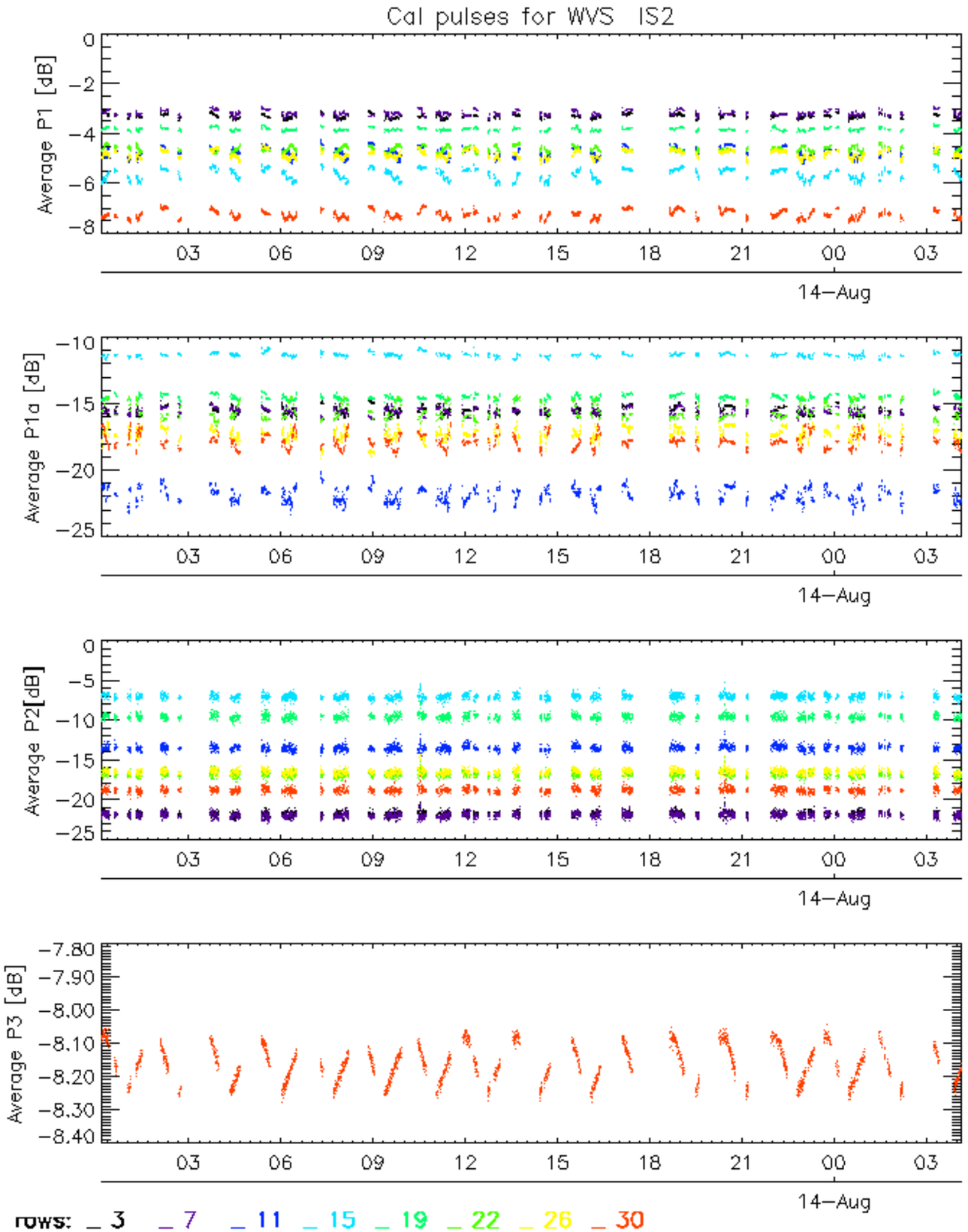

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
14−Aug
Average P1a [dB]
−5
−10
−15
−20
−25
−30
−35
Cal pulses for GM1 SS3
Phase P1 [deg]
100
50
0
−50
Phase P1a [deg]
20
0
−20
−40
−60
−80
−100
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
14−Aug
Average P1a [dB]
−10
−15
−20
−25
Cal pulses for WVS IS2
Phase P1 [deg]
100
50
0
−50
Phase P1a [deg]
20
0
−20
−40
−60
−80
−100
rows: 3 7 11 15 19 22 26 30

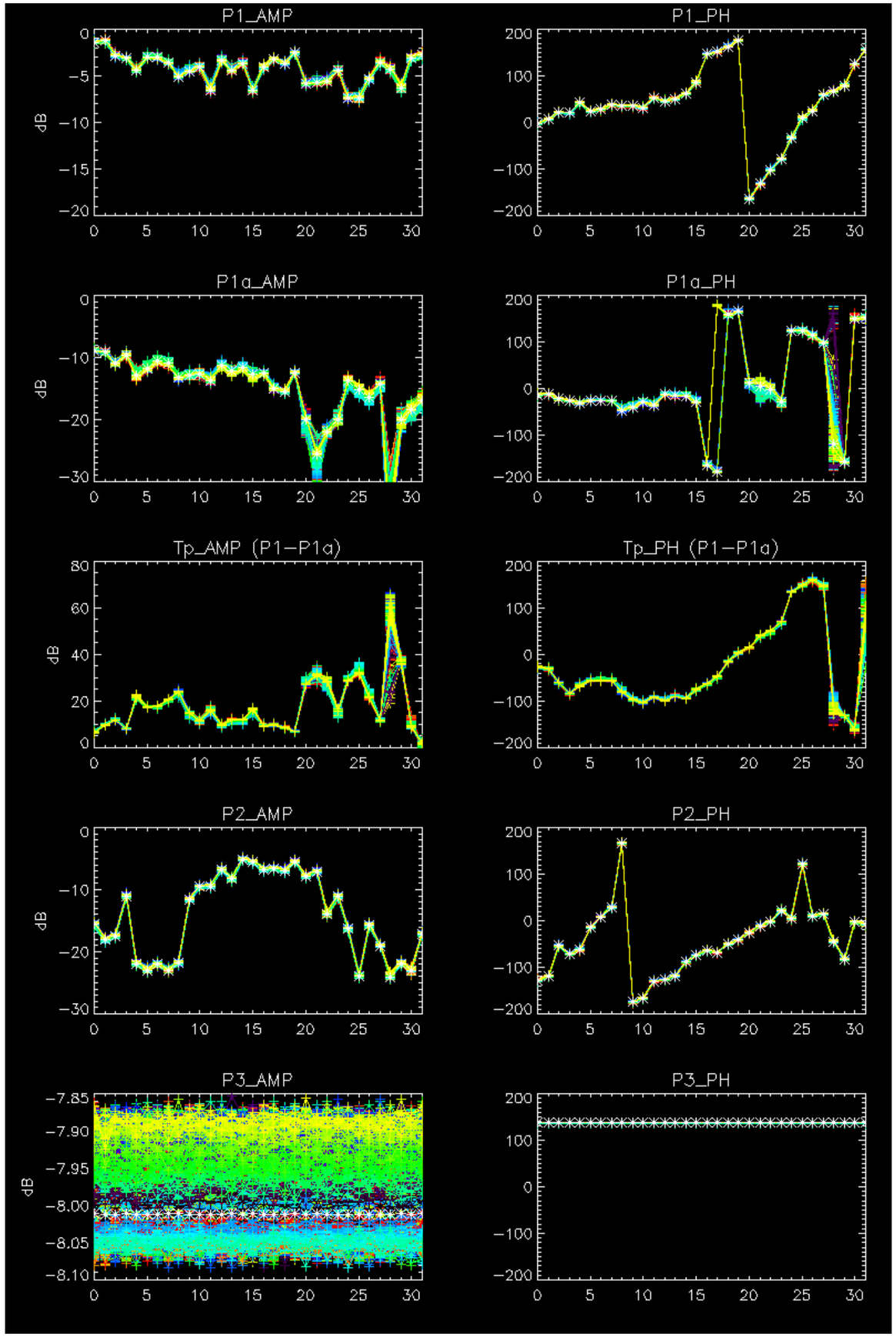

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
−14
16−Jul
21−Jul
26−Jul
31−Jul
05−Aug
10−Aug
Average P1a [dB]
−5
−10
−15
−20
−25
−30
−35
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

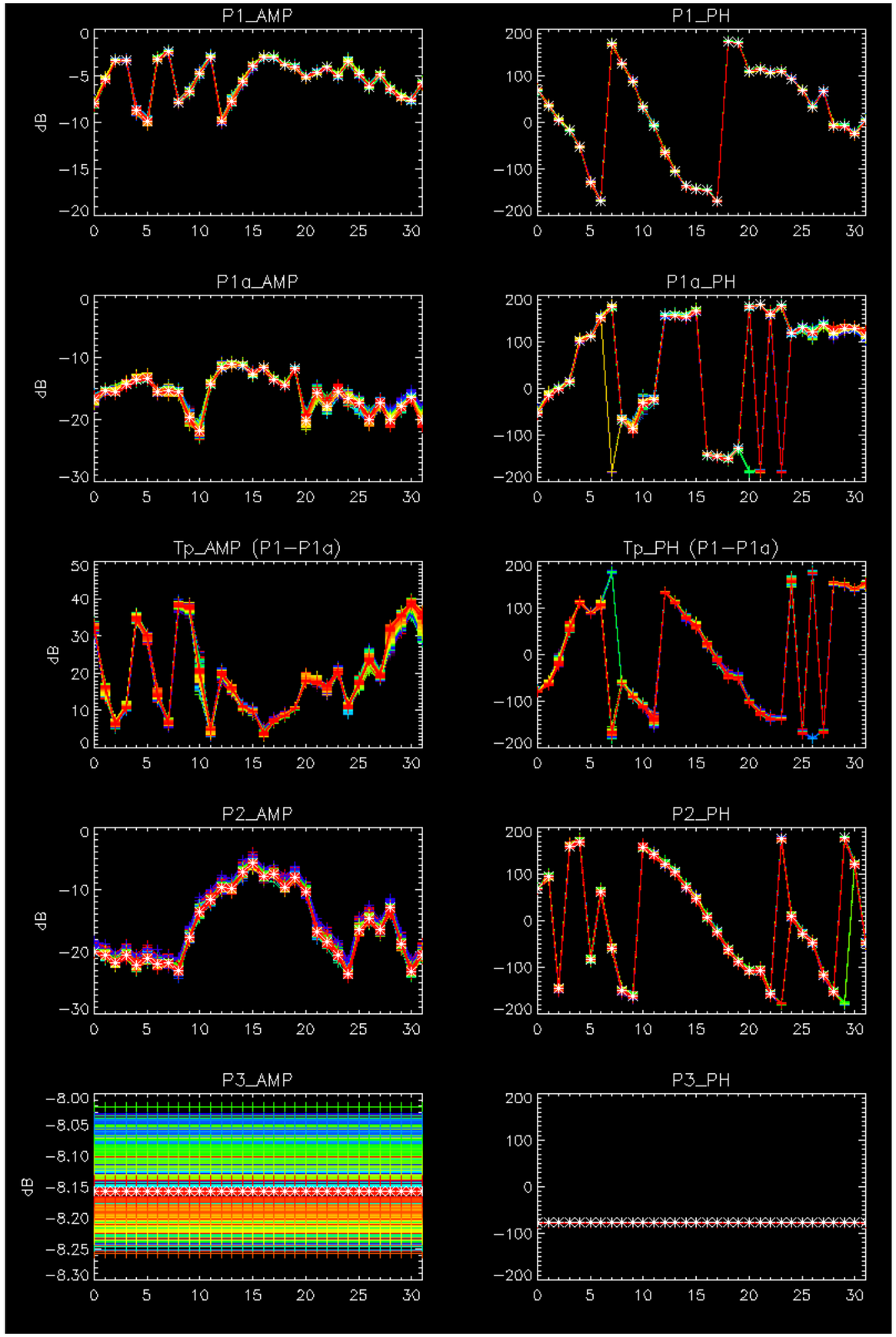

Cal pulses for GM1 SS3
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
14−Aug
Average P1a [dB]
−5
−10
−15
−20
−25
−30
−35
Average P2[dB]
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
−10
−12
16−Jul
21−Jul
26−Jul
31−Jul
05−Aug
10−Aug
Average P1a [dB]
−5
−10
−15
−20
−25
Average P2 [dB]
Average P3 [dB]
−7.8
−8.0
−8.2
−8.4
rows: 3 7 11 15 19 22 26 30


Cal pulses for WVS IS2
Average P1 [dB]
0
−2
−4
−6
−8
03
06
09
12
15
18
21
00
03
14−Aug
Average P1a [dB]
−10
−15
−20
−25
Average P2[dB]
−5
Average P3 [dB]
−7.80
−7.90
−8.00
−8.10
−8.20
−8.30
−8.40
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30

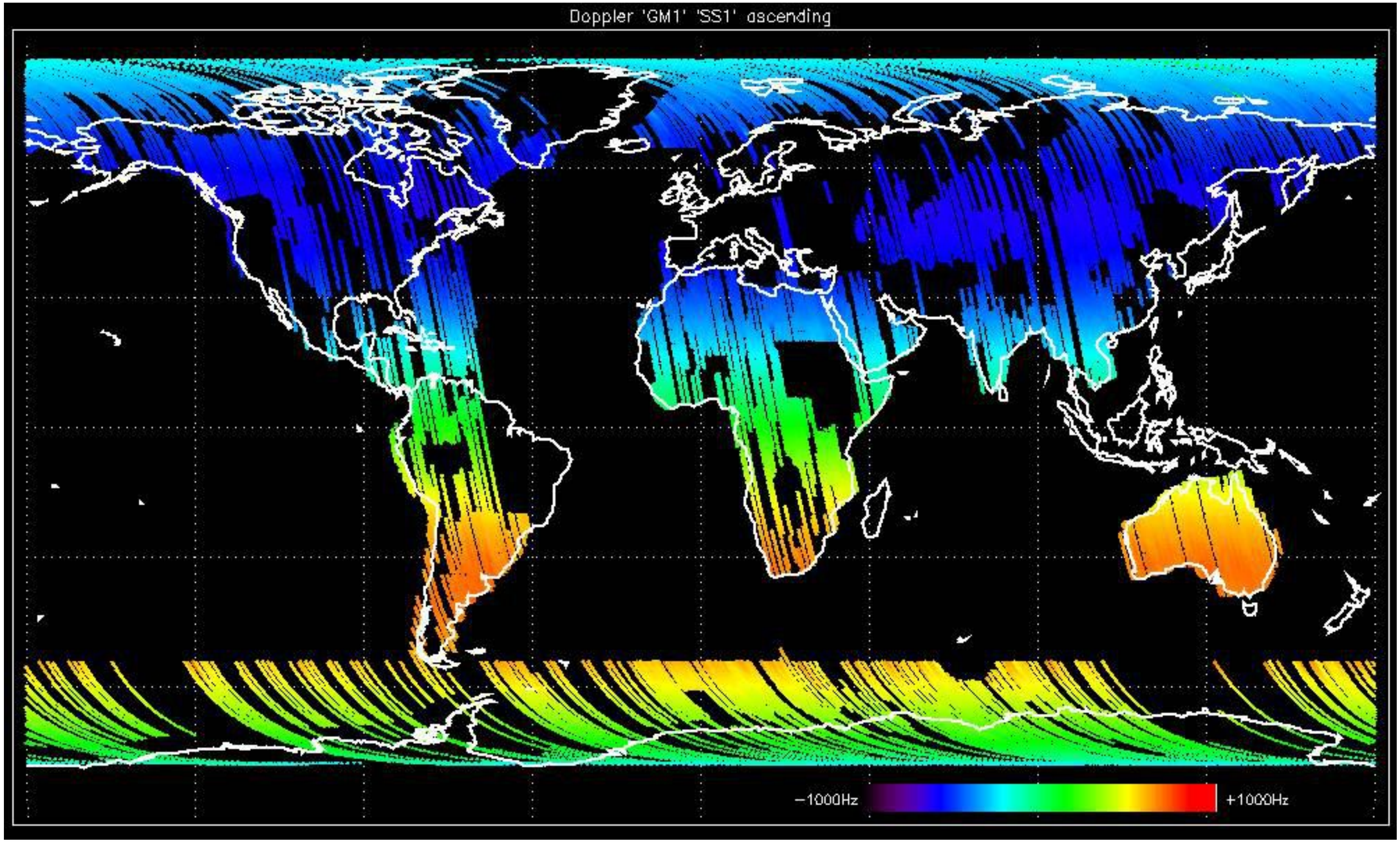
No anomalies observed.

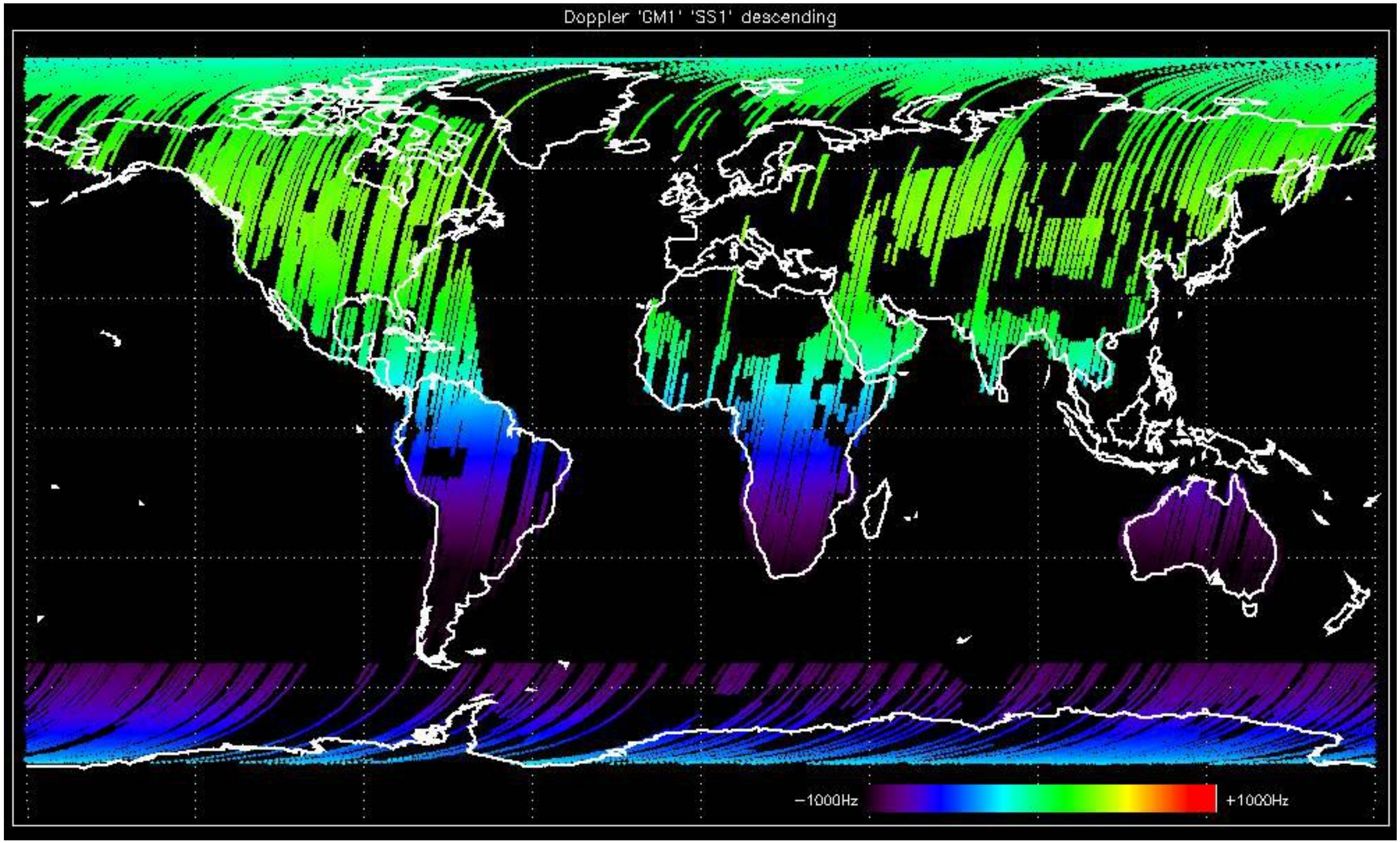

P1_AMP
dB
P1_PH
P1a_AMP
dB
P1a_PH
Tp_AMP (P1−P1a)
dB
Tp_PH (P1−P1a)
P2_AMP
dB
P2_PH
P3_AMP
dB
P3_PH

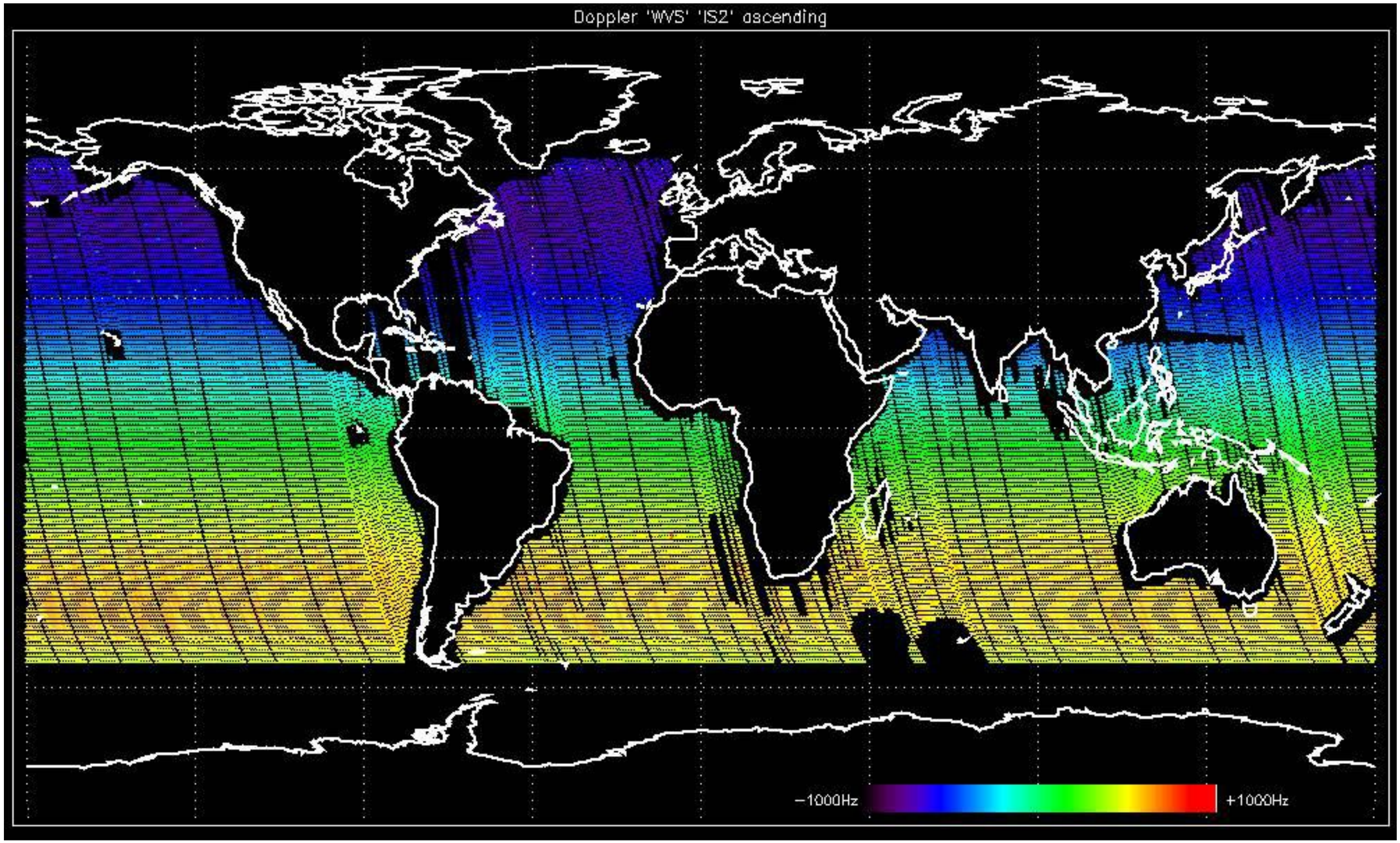

P1_AMP
P1_PH
P1a_AMP
P1a_PH
Tp_AMP (P1−P1a)
Tp_PH (P1−P1a)
P2_AMP
P2_PH
P3_AMP
P3_PH
dB

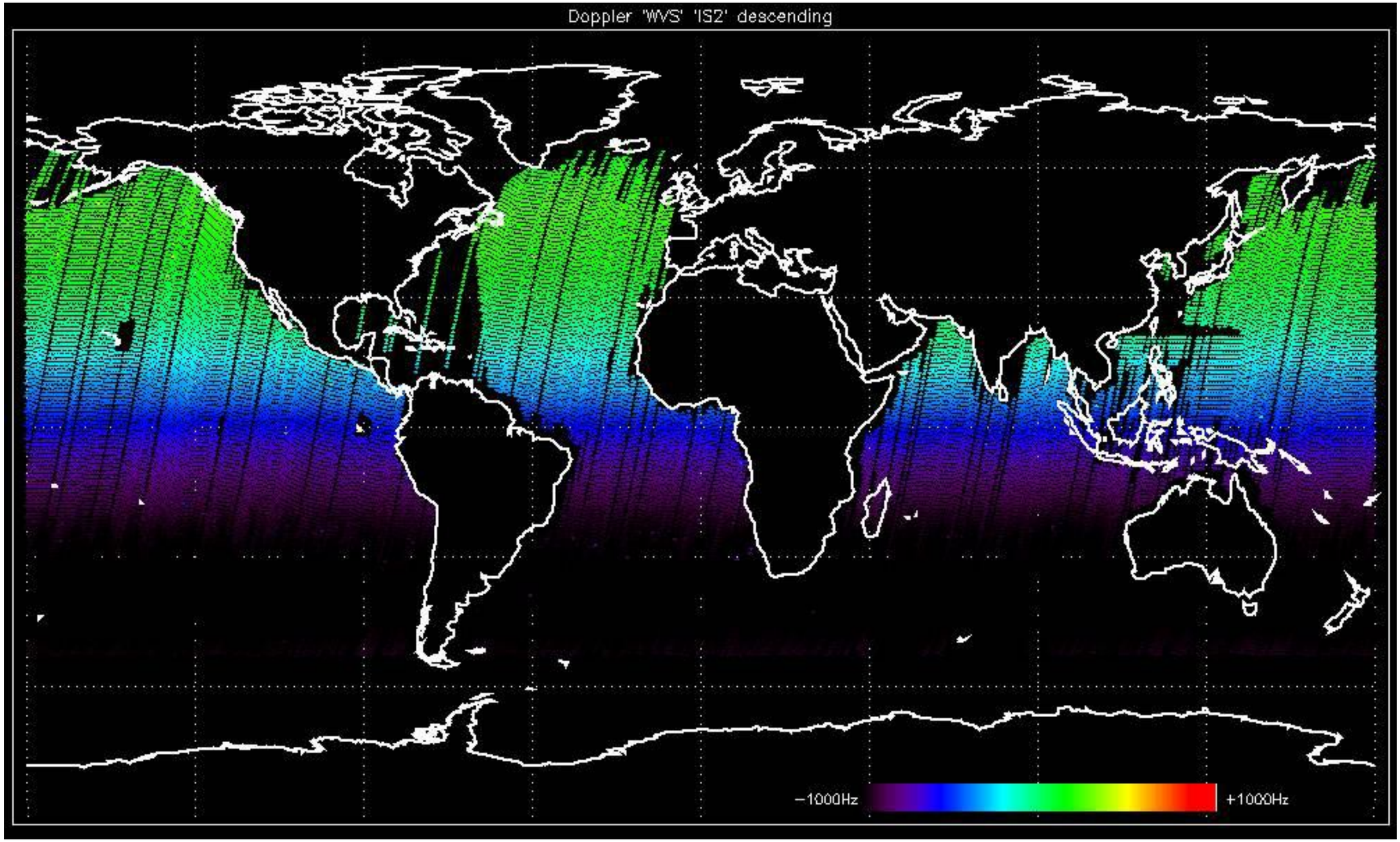
-Stable wave internal calibration pulses gain and phase.
-Stable raw data statistics.
-Nominal Doppler behavior.

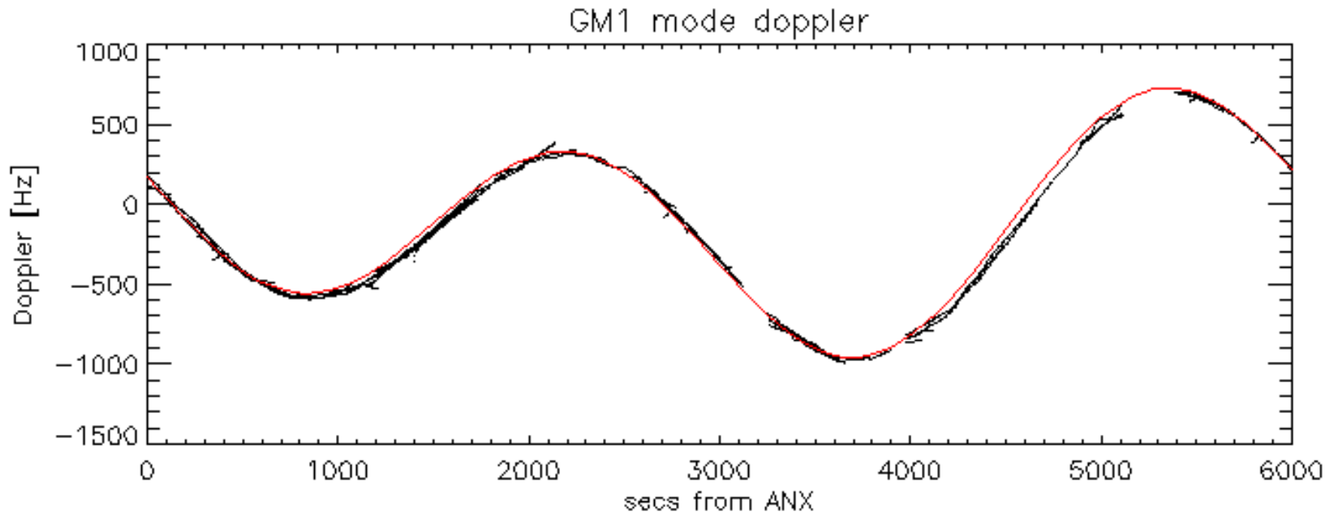
Preliminary report.The data is not yet controled

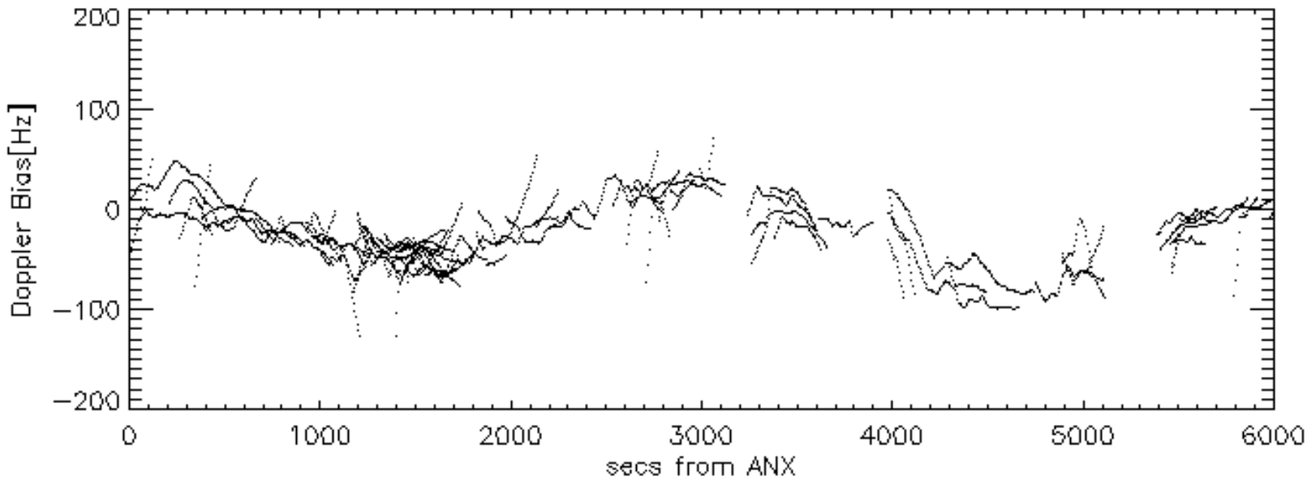

Doppler 'GM1' 'SS1' ascending
−1000Hz
+1000Hz

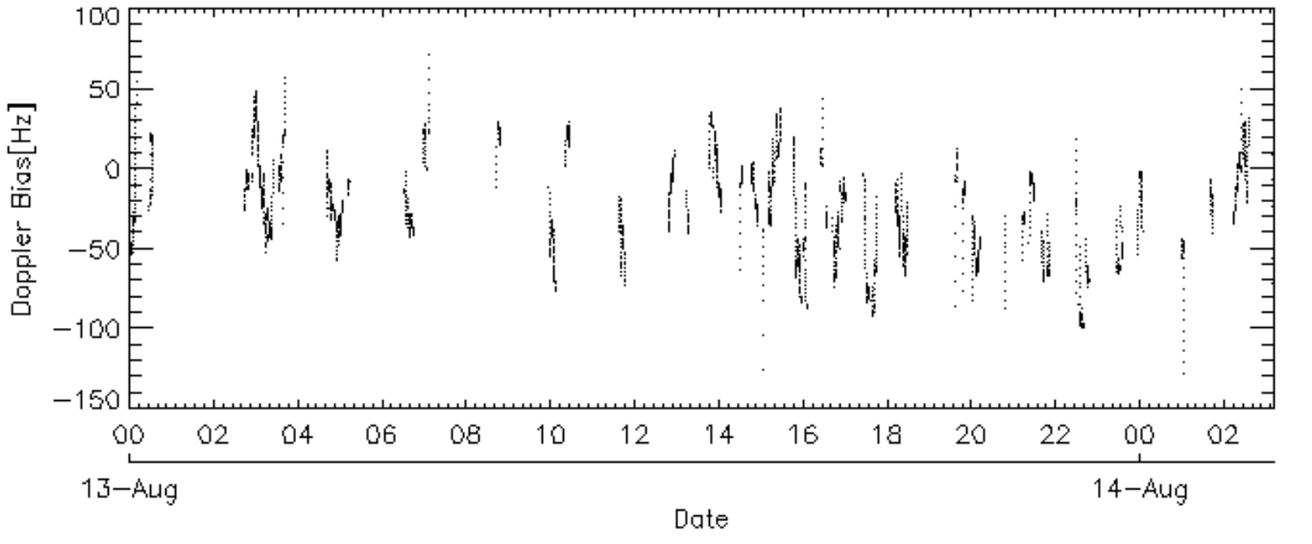

Doppler 'GM1' 'SS1' descending
−1000Hz
+1000Hz

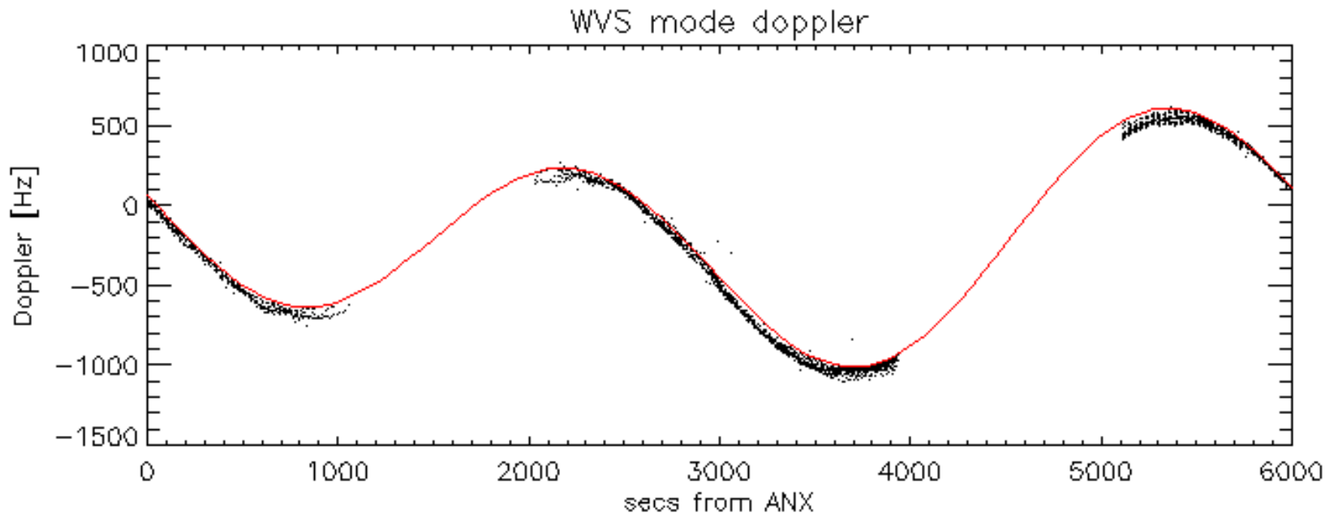

Doppler 'WVS' 'IS2' ascending
−1000Hz
+1000Hz

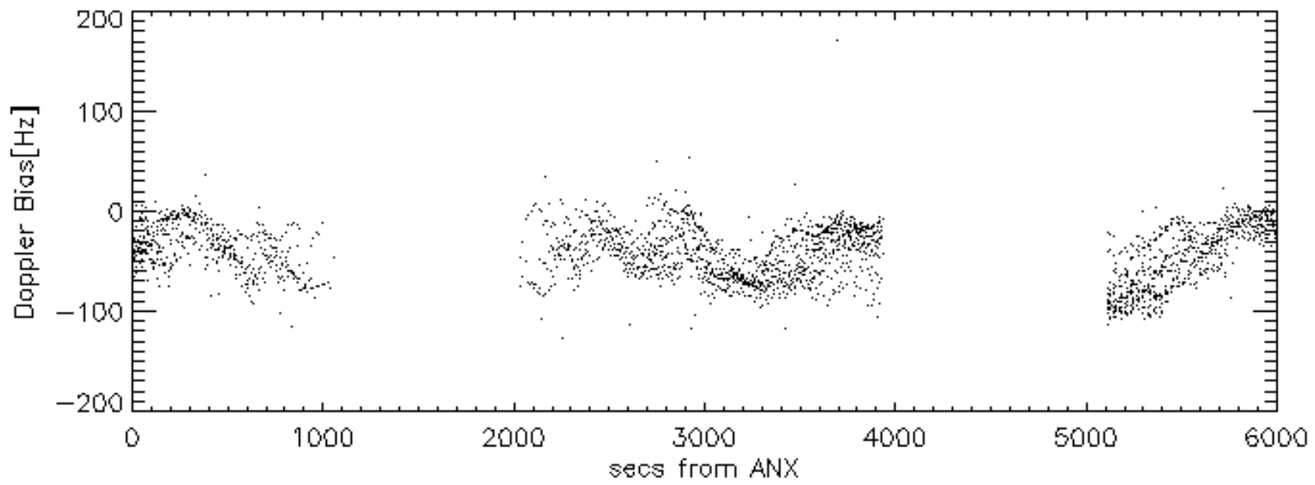

Doppler 'WVS' 'IS2' descending
−1000Hz
+1000Hz

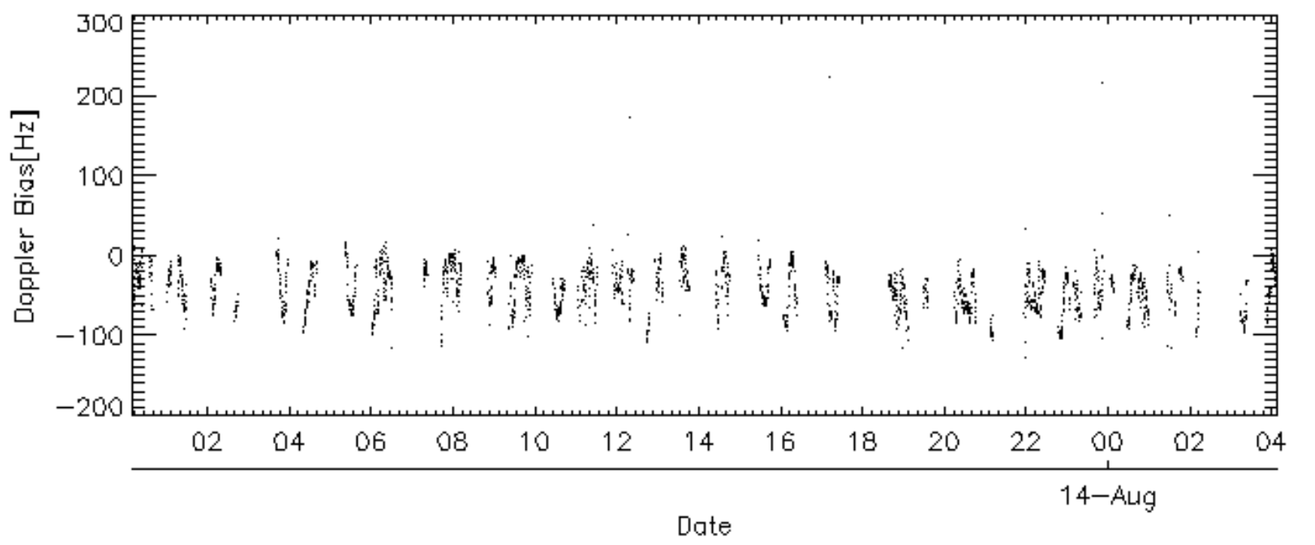

GM1 mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

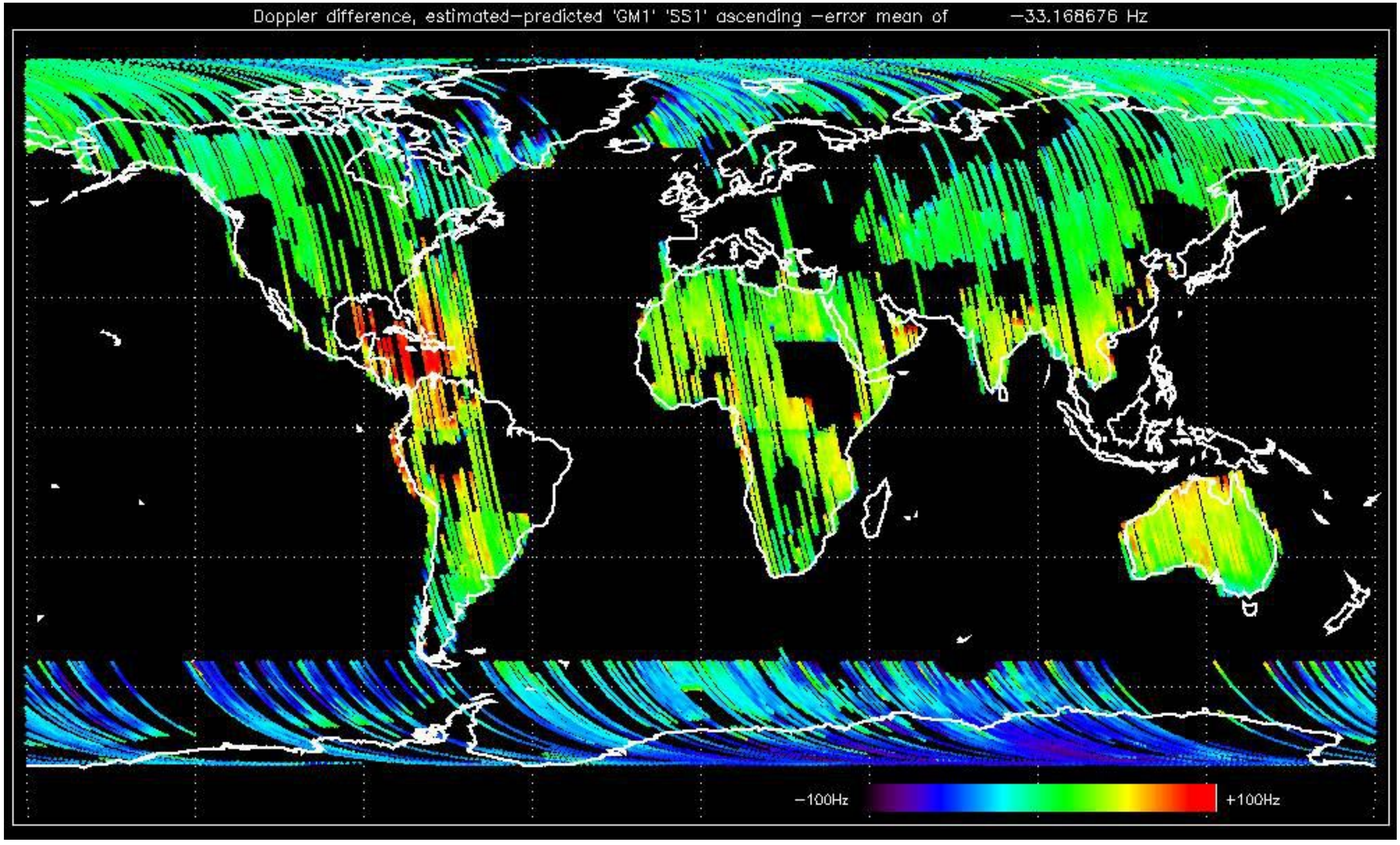

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX

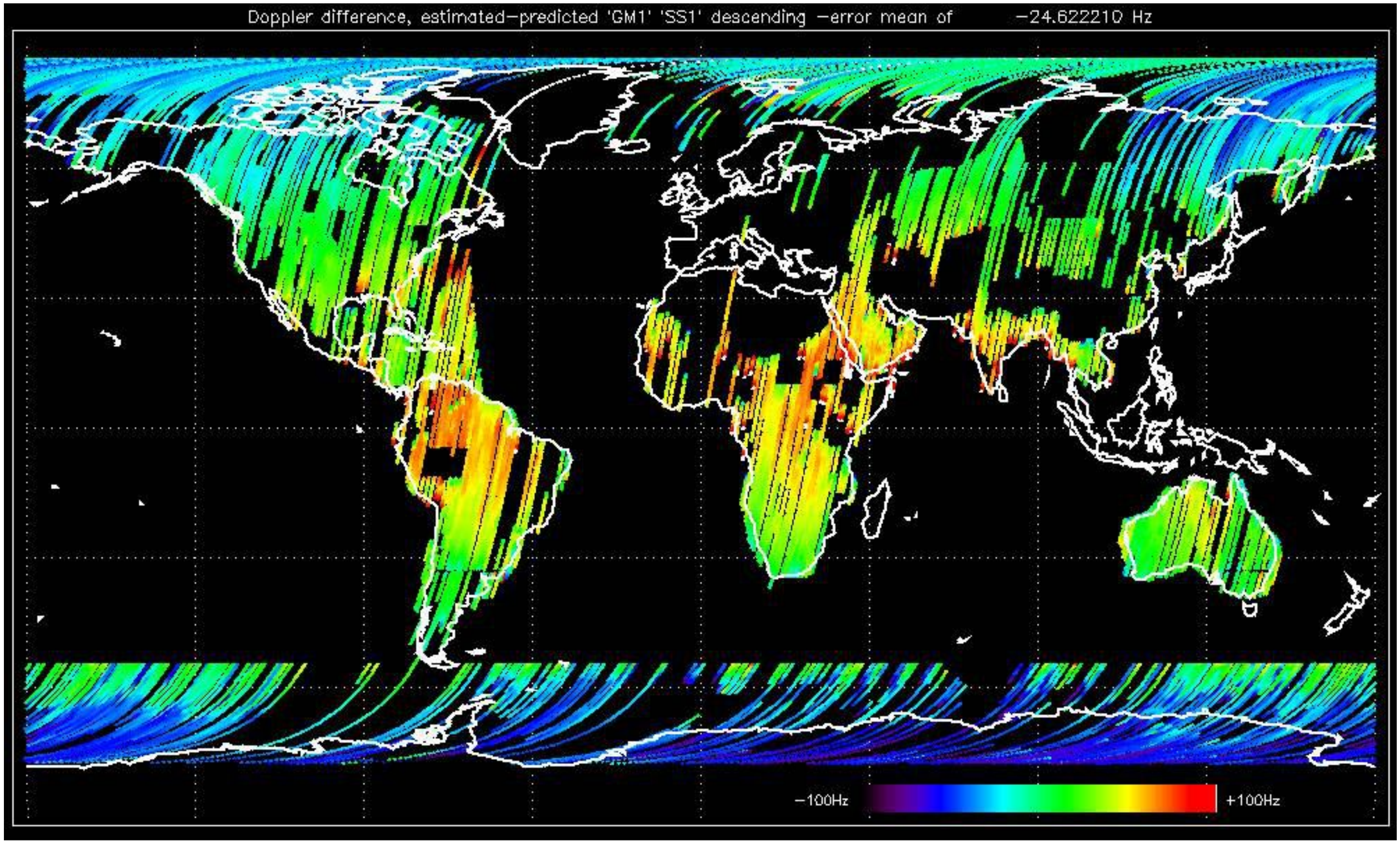

Doppler Bias[Hz]
100
50
0
−50
−100
−150
00
02
04
06
08
10
12
14
16
18
20
22
00
02
13−Aug
14−Aug
Date

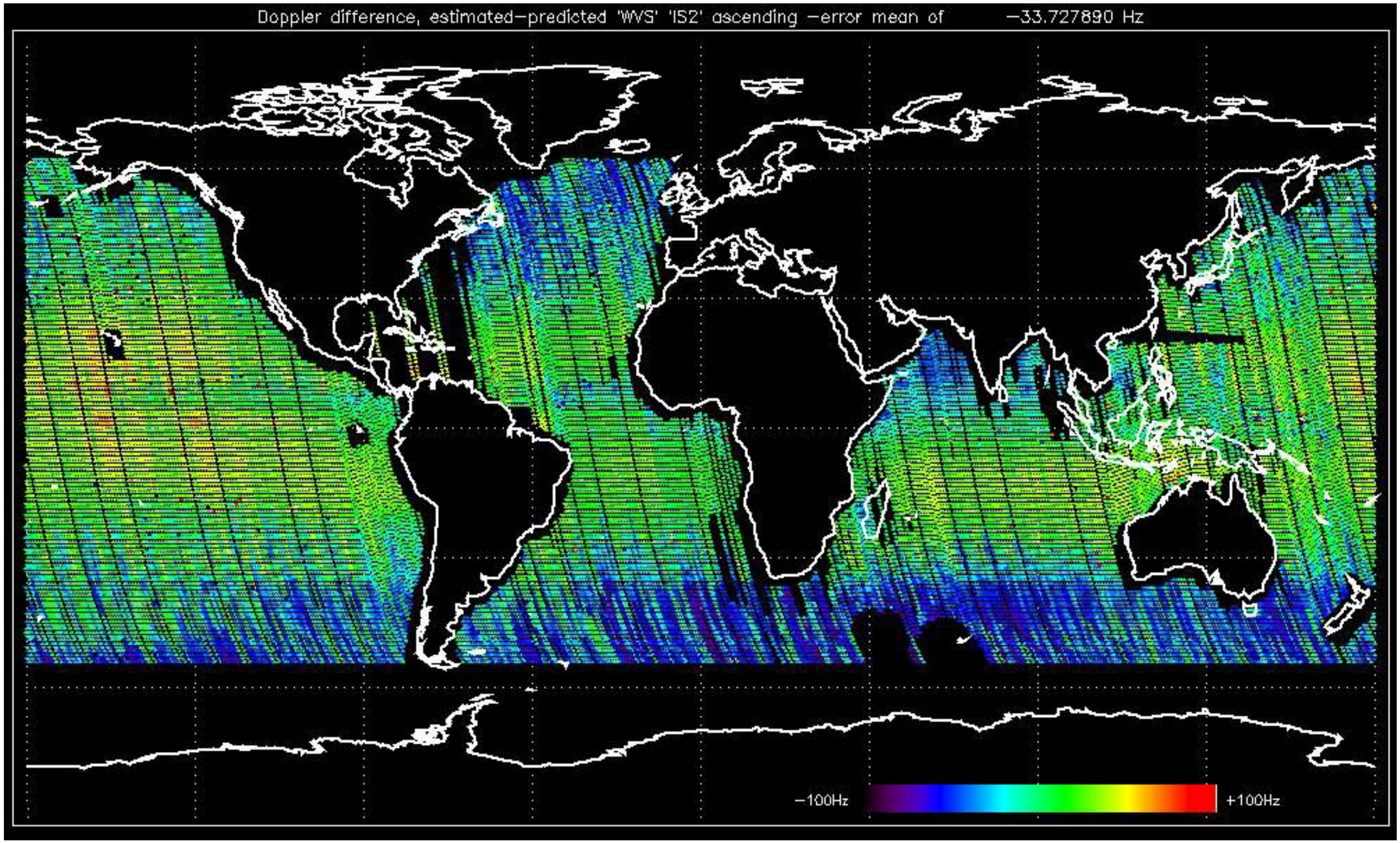

WVS mode doppler
Doppler [Hz]
1000
500
0
−500
−1000
−1500
0
1000
2000
3000
4000
5000
6000
secs from ANX

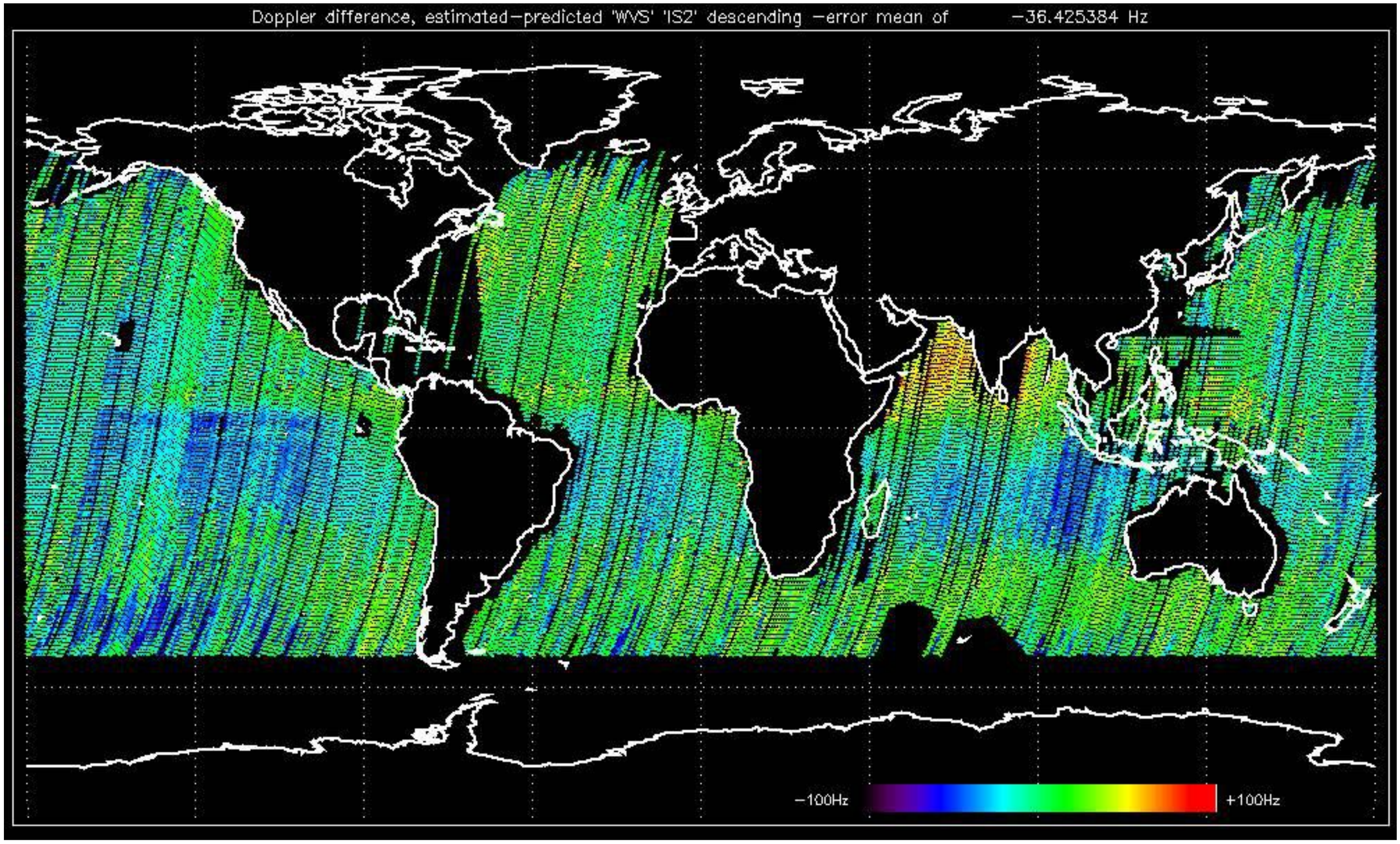

Doppler Bias[Hz]
200
100
0
−100
−200
0
1000
2000
3000
4000
5000
6000
secs from ANX


Doppler Bias[Hz]
300
200
100
0
−100
−200
02
04
06
08
10
12
14
16
18
20
22
00
02
04
14−Aug
Date


Doppler difference, estimated−predicted 'GM1' 'SS1' ascending −error mean of −33.168676 Hz
−100Hz
+100Hz

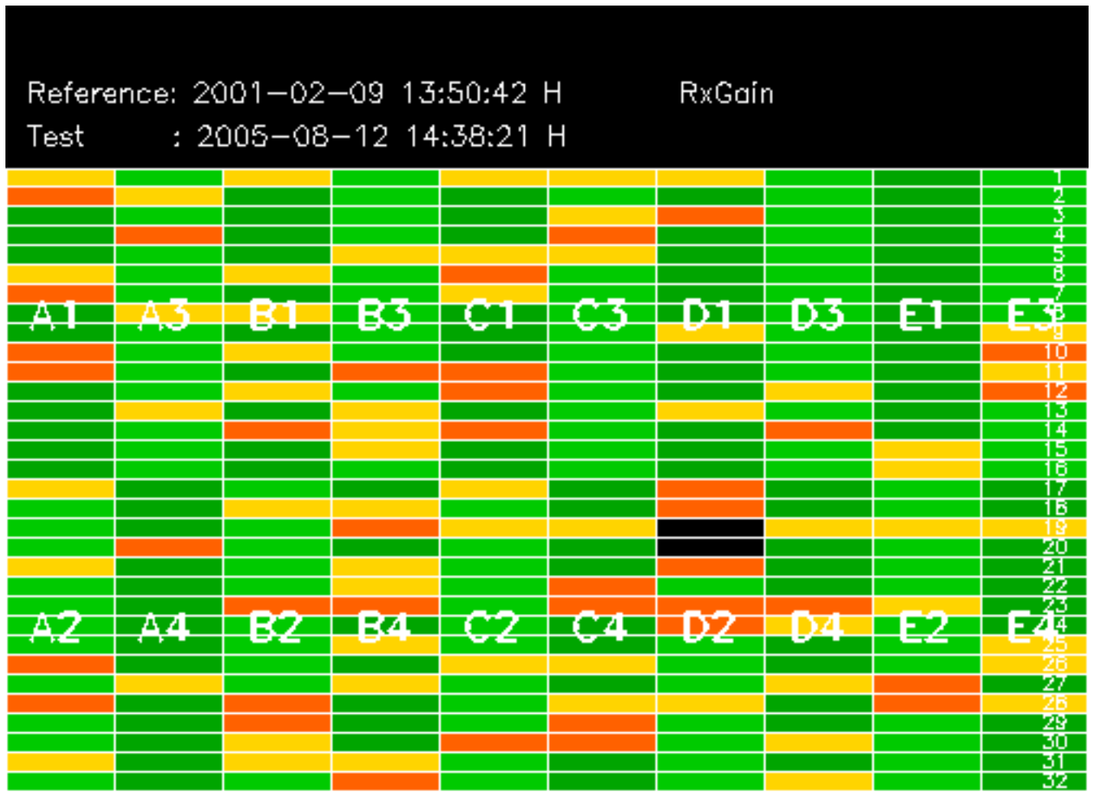

Doppler difference, estimated−predicted 'GM1' 'SS1' descending −error mean of −24.622210 Hz
−100Hz
+100Hz


Doppler difference, estimated−predicted 'WVS' 'IS2' ascending −error mean of −33.727890 Hz
−100Hz
+100Hz

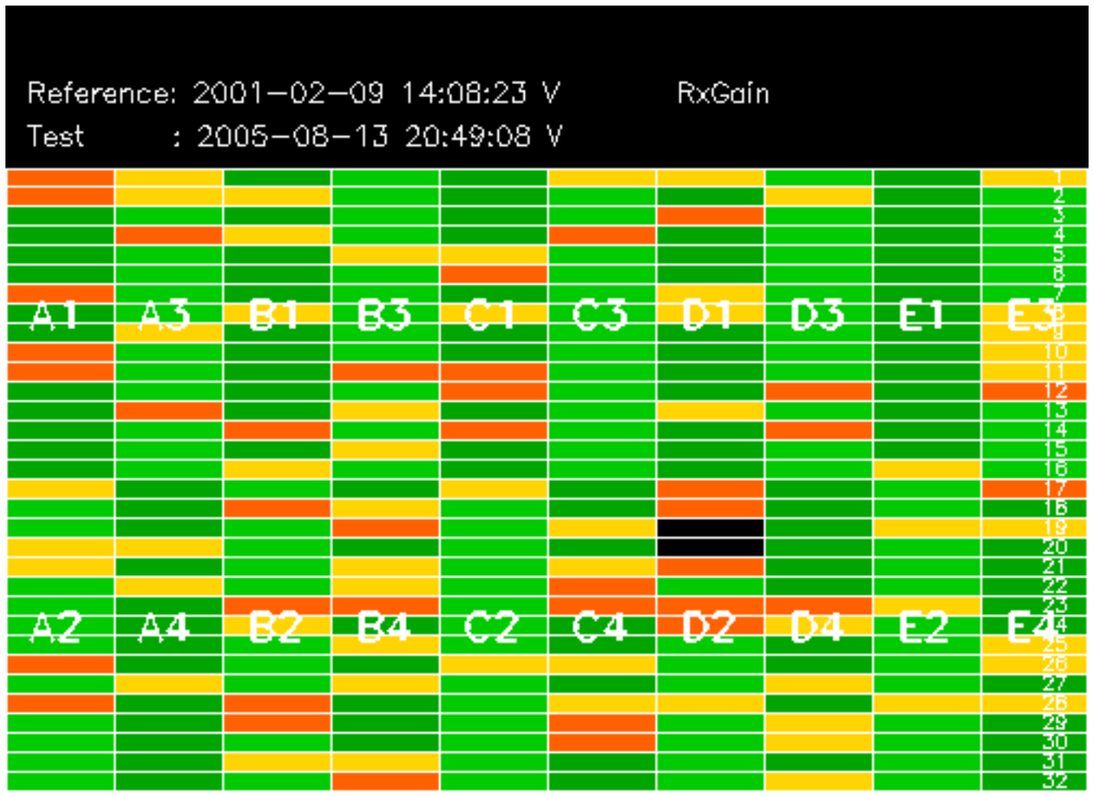

Doppler difference, estimated−predicted 'WVS' 'IS2' descending −error mean of −36.425384 Hz
−100Hz
+100Hz

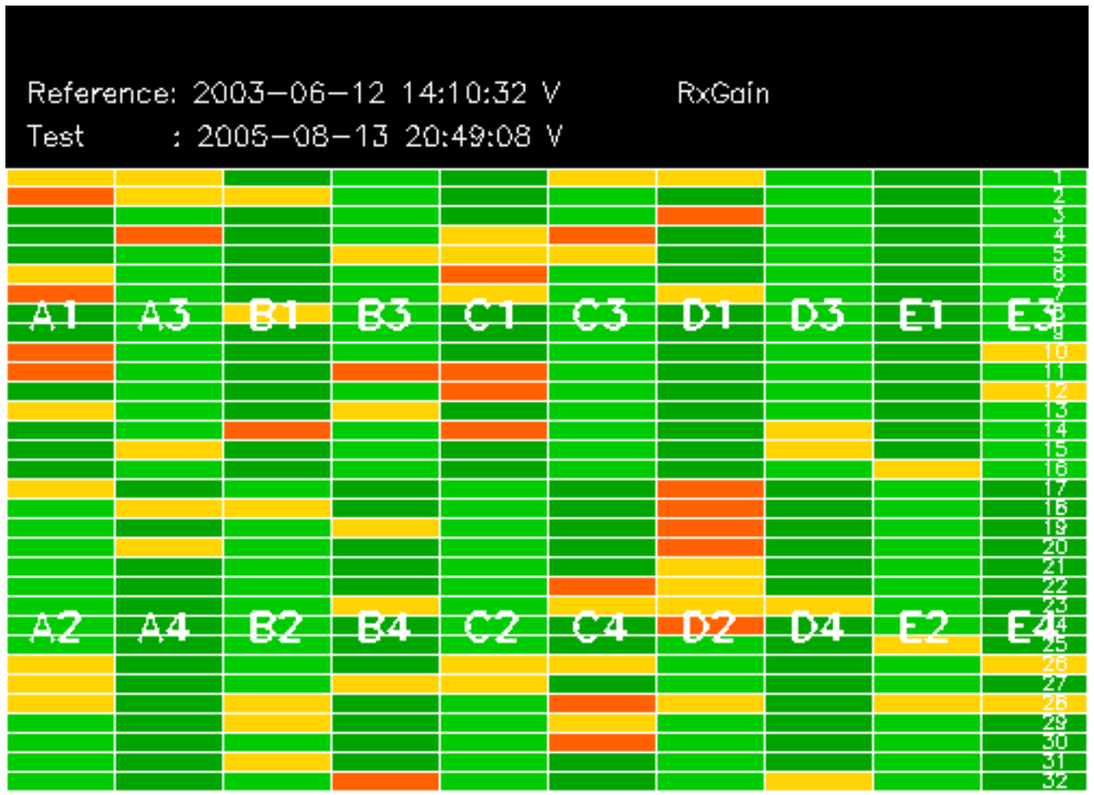
No anomalies observed on available MS products:

No anomalies observed.


Reference: 2001-02-09 13:50:42 H
Test : 2005-08-12 14:38:21 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:08:52 H
Test : 2005-08-12 14:38:21 H
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2005-08-13 20:49:08 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:10:32 V
Test : 2005-08-13 20:49:08 V
RxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
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8
9
10
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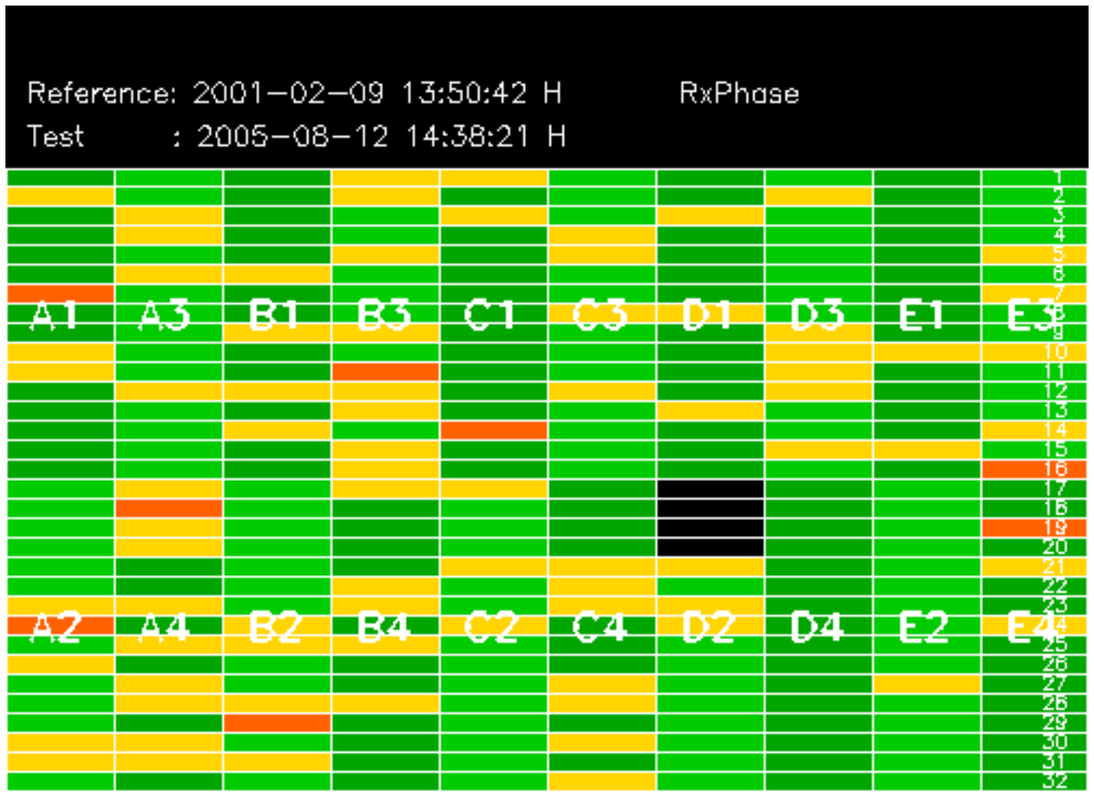
31
32


Reference: 2001-02-09 13:50:42 H
RxPhase
Test : 2005-08-12 14:38:21 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
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24
25
26
27
28
29
30
31
32


Reference: 2003-06-12 14:08:52 H
Test : 2005-08-12 14:38:21 H
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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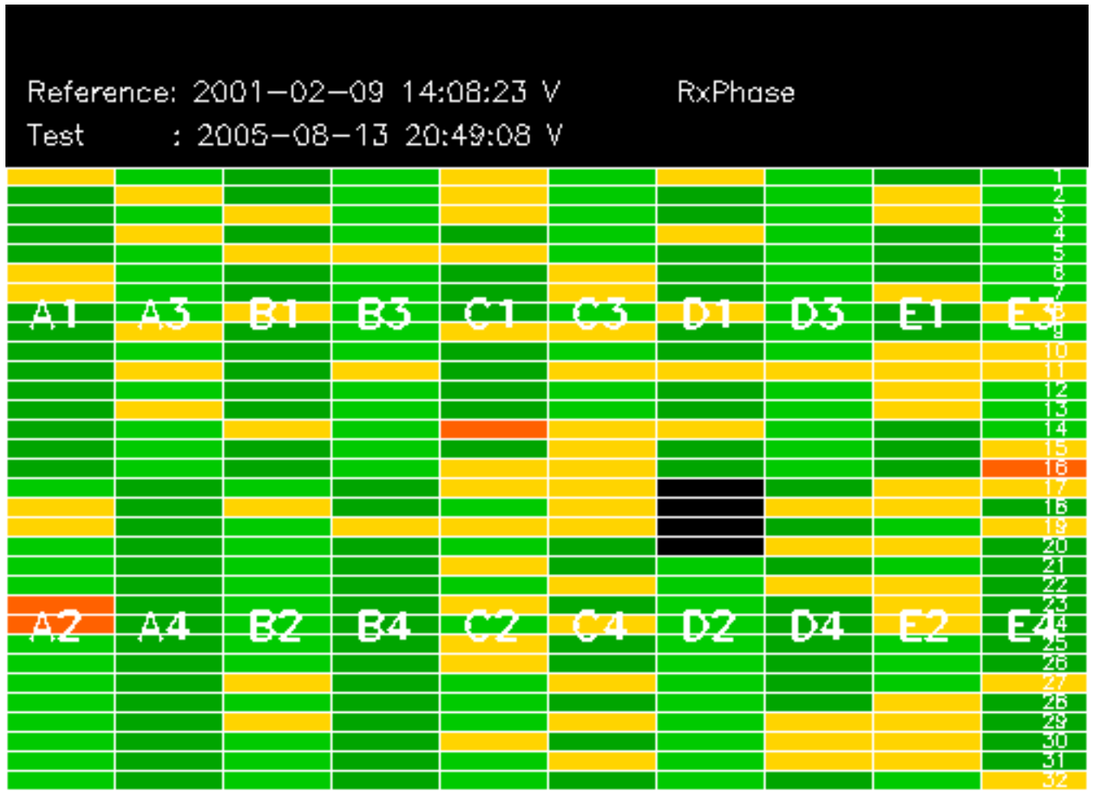
32


Reference: 2001-02-09 14:08:23 V
RxPhase
Test : 2005-08-13 20:49:08 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
2
3
4
5
6
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8
9
10
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12
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14
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24
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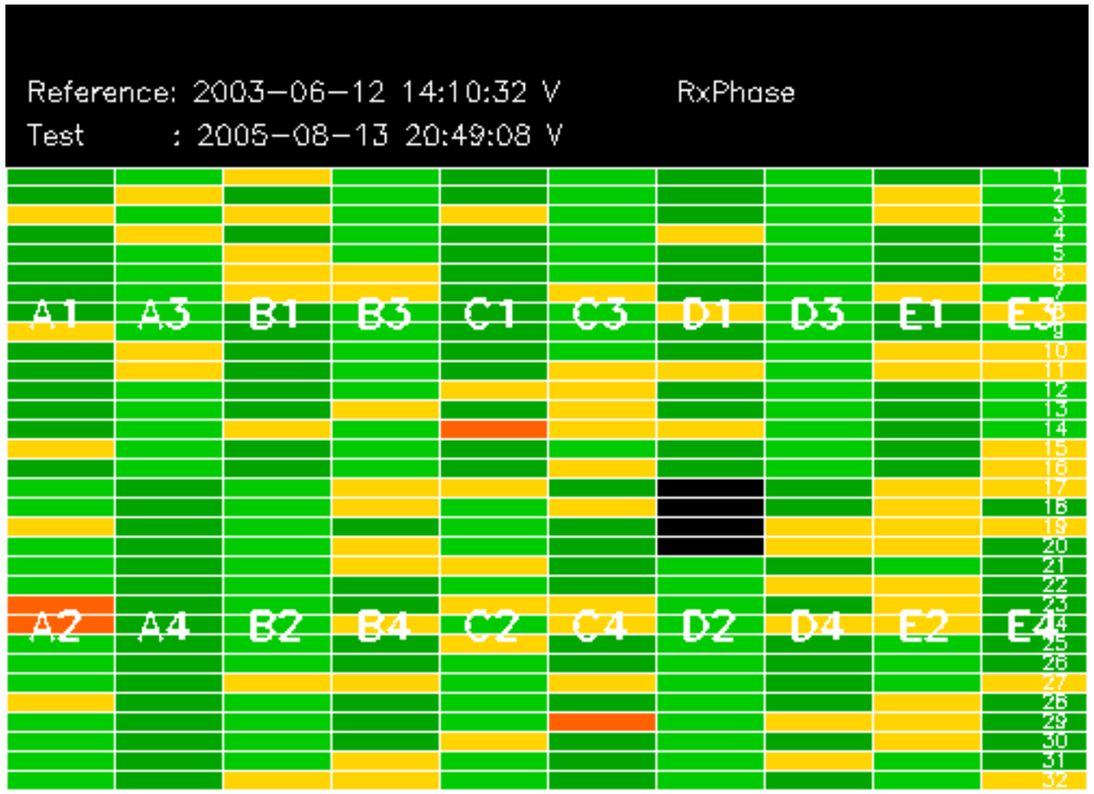
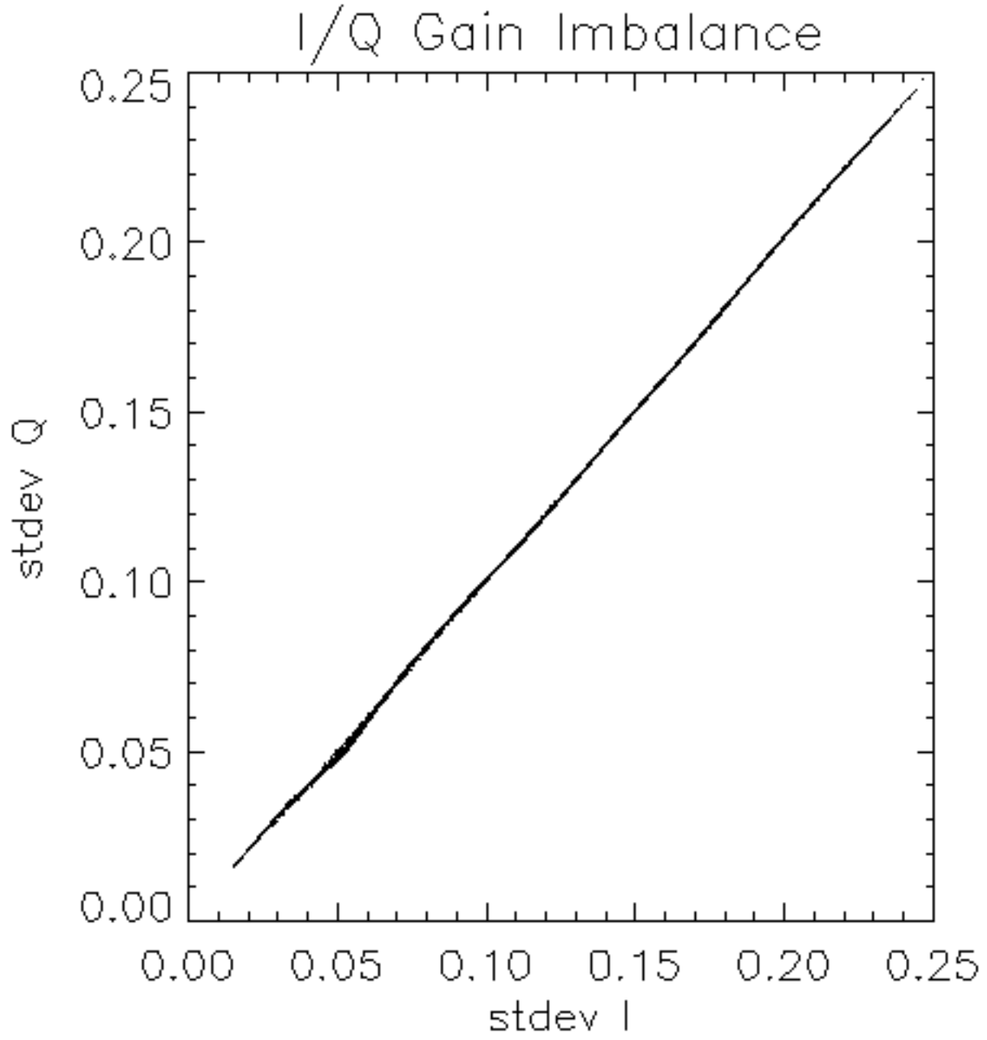
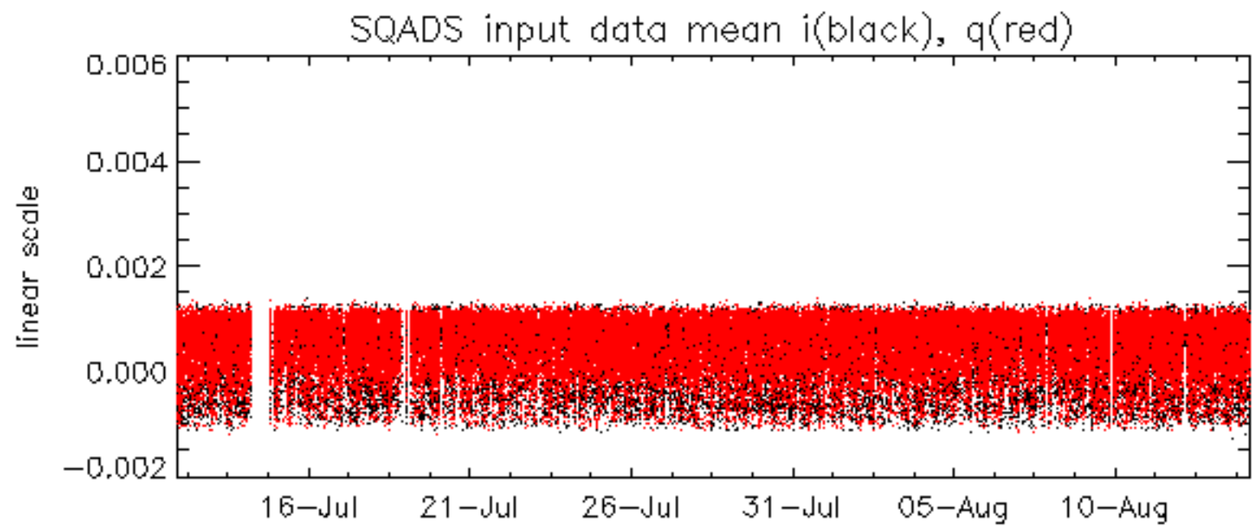
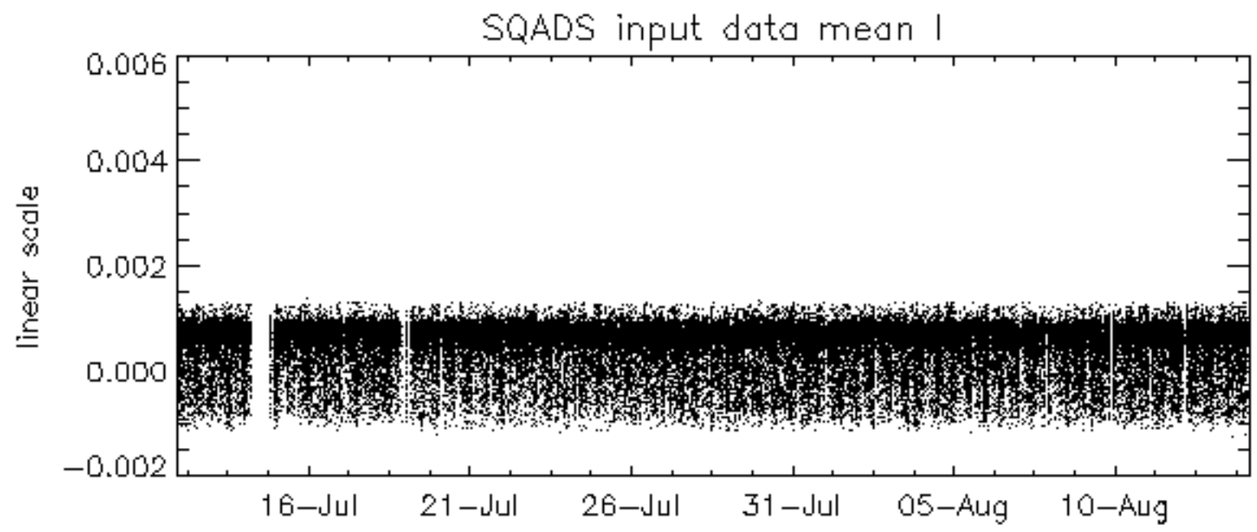
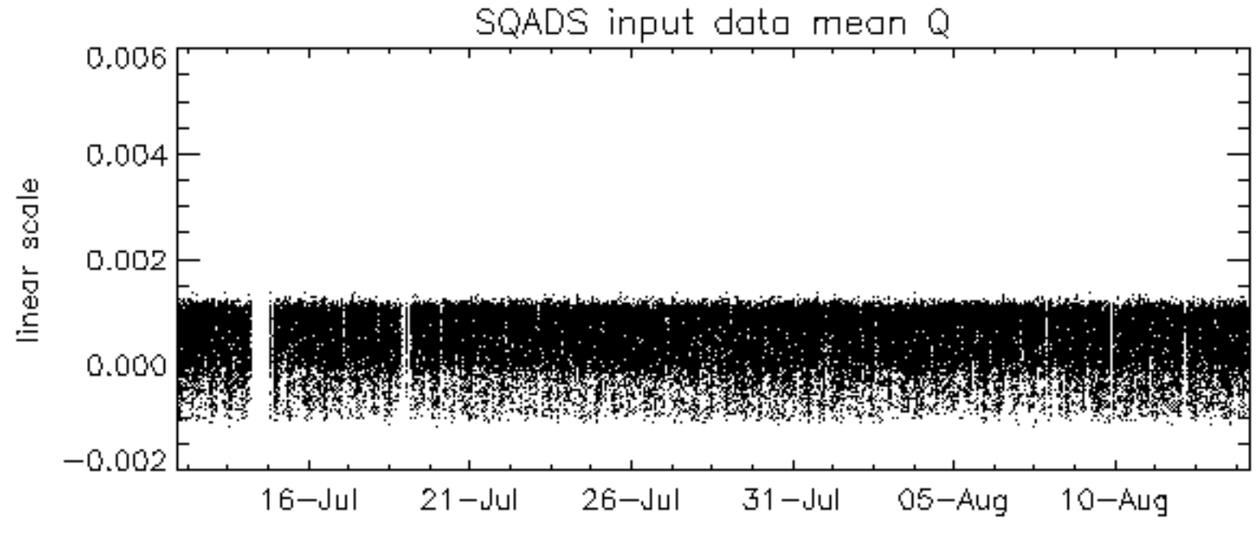
26
27
28
29
30
31
32

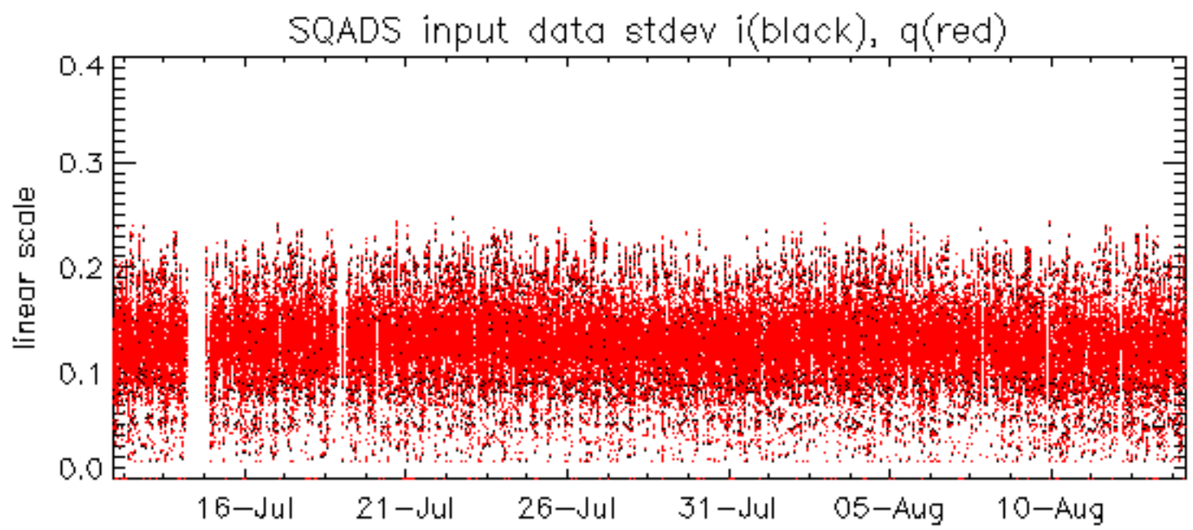

Reference: 2003-06-12 14:10:32 V
Test : 2005-08-13 20:49:08 V
RxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4

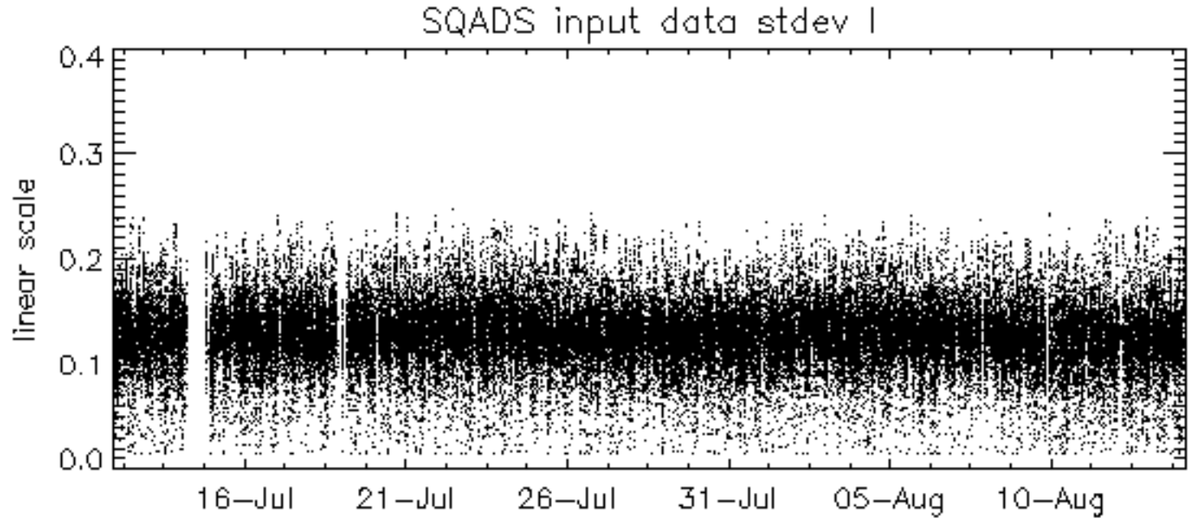

I/Q Gain Imbalance
stdev Q
0.25
0.20
0.15
0.10
0.05
0.00
0.00
0.05
0.10
0.15
0.20
0.25
stdev I

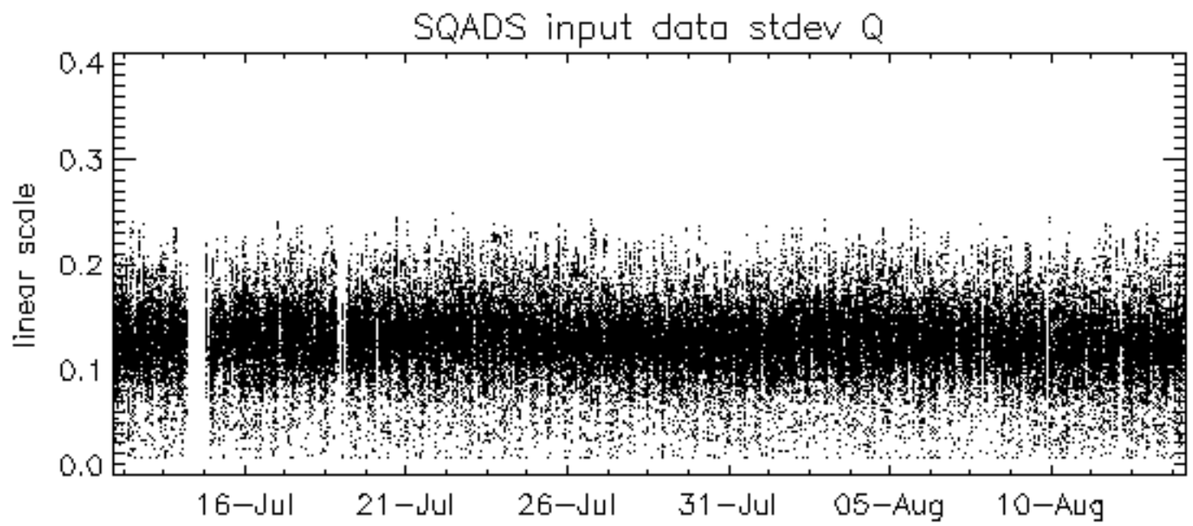

SQADS input data mean i(black), q(red)
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Jul
21−Jul
26−Jul
31−Jul
05−Aug
10−Aug

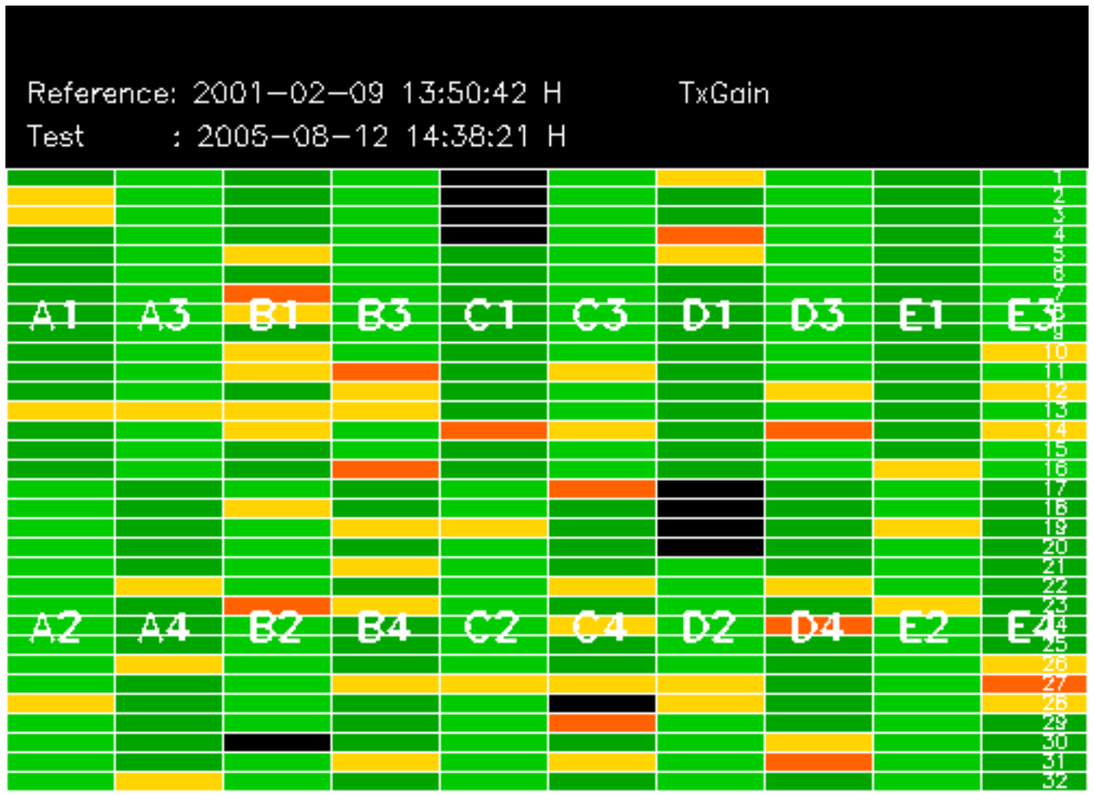

SQADS input data mean I
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Jul
21−Jul
26−Jul
31−Jul
05−Aug
10−Aug


SQADS input data mean Q
linear scale
0.006
0.004
0.002
0.000
−0.002
16−Jul
21−Jul
26−Jul
31−Jul
05−Aug
10−Aug


SQADS input data stdev i(black), q(red)
linear scale
0.4
0.3
0.2
0.1
0.0
16–Jul
21–Jul
26–Jul
31–Jul
05–Aug
10–Aug


SQADS input data stdev I
linear scale
0.4
0.3
0.2
0.1
0.0
16–Jul
21–Jul
26–Jul
31–Jul
05–Aug
10–Aug


SQADS input data stdev Q
linear scale
0.4
0.3
0.2
0.1
0.0
16–Jul
21–Jul
26–Jul
31–Jul
05–Aug
10–Aug


Reference: 2001-02-09 13:50:42 H
Test : 2005-08-12 14:38:21 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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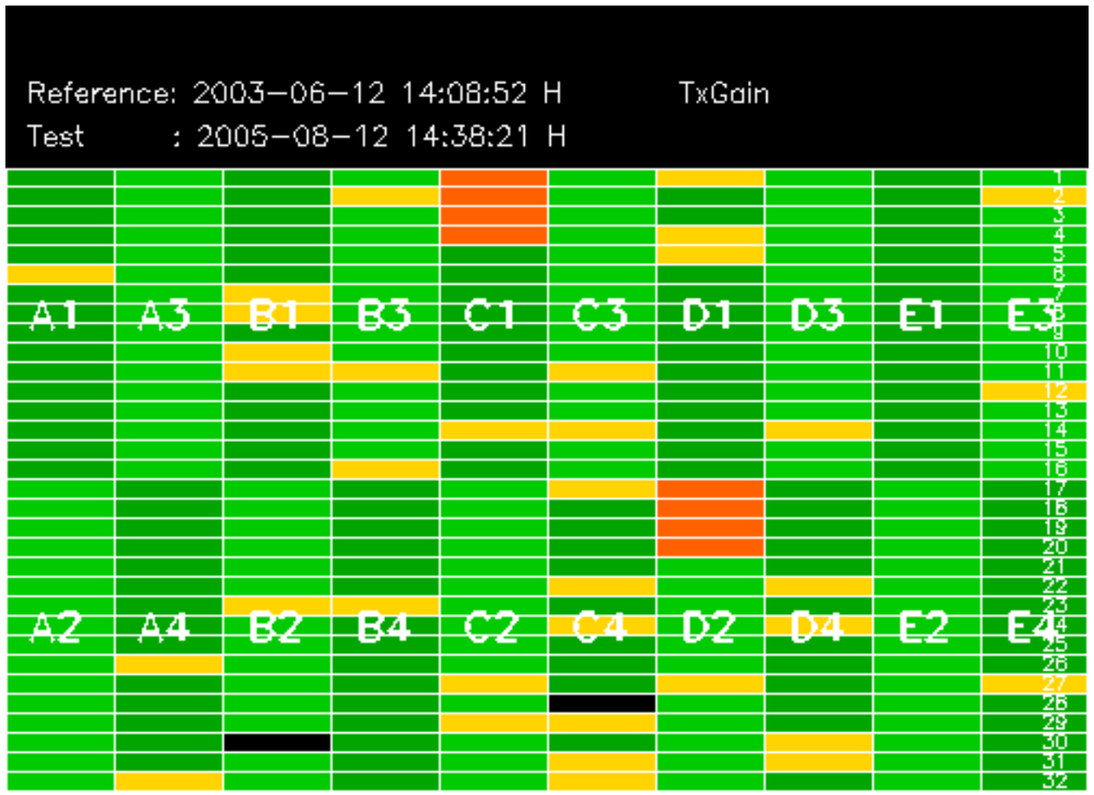
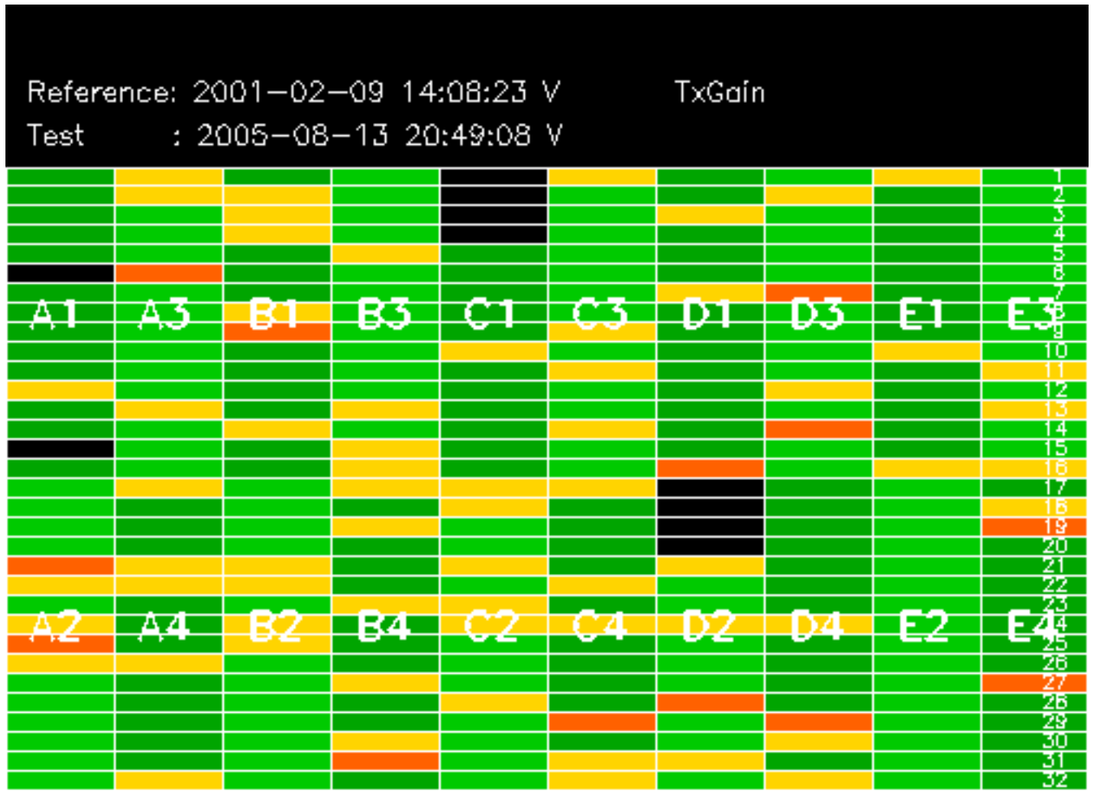

Reference: 2003-06-12 14:08:52 H
Test : 2005-08-12 14:38:21 H
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
Test : 2005-08-13 20:49:08 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
1
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30
31
32


Reference: 2003-06-12 14:10:32 V
Test : 2005-08-13 20:49:08 V
TxGain
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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31
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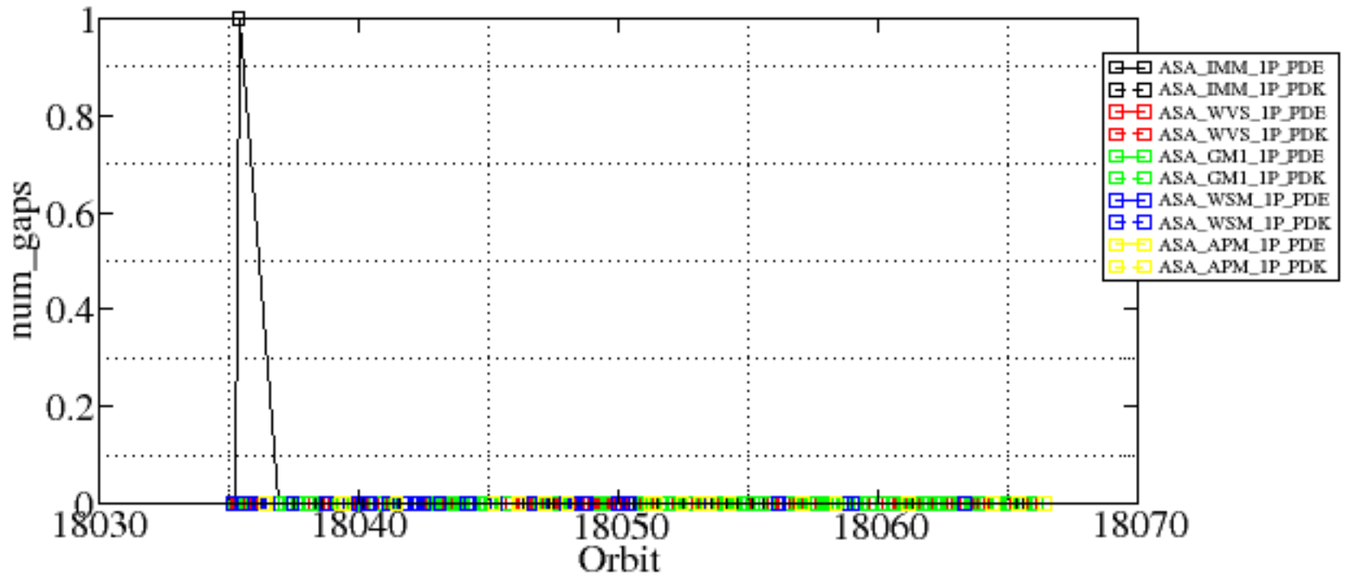
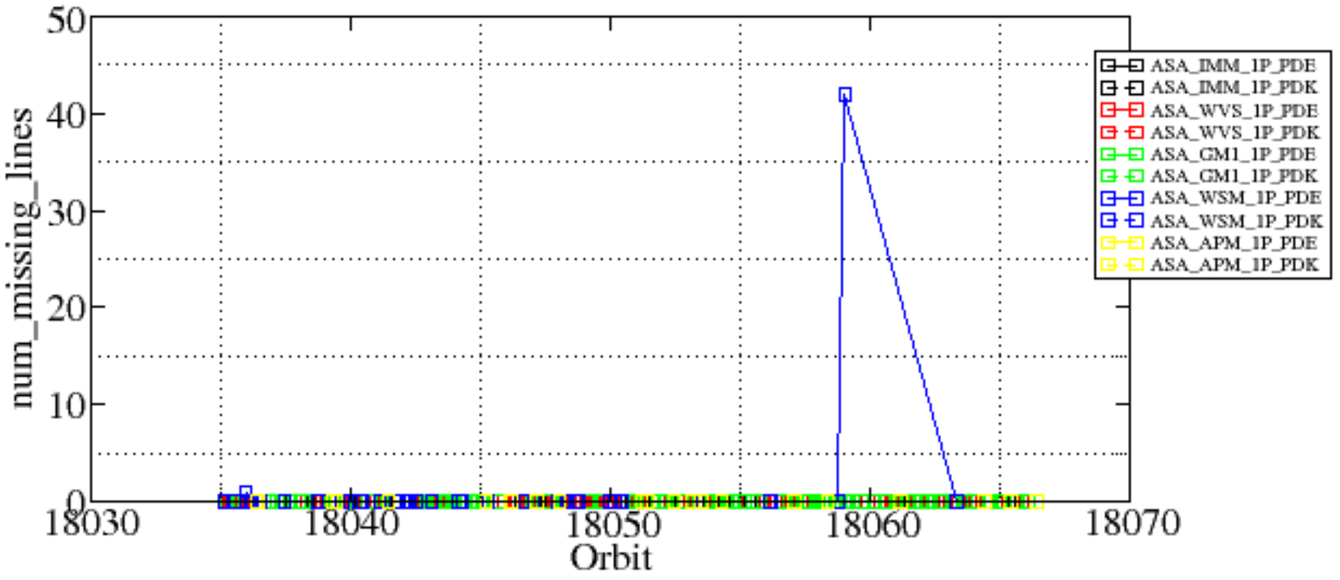
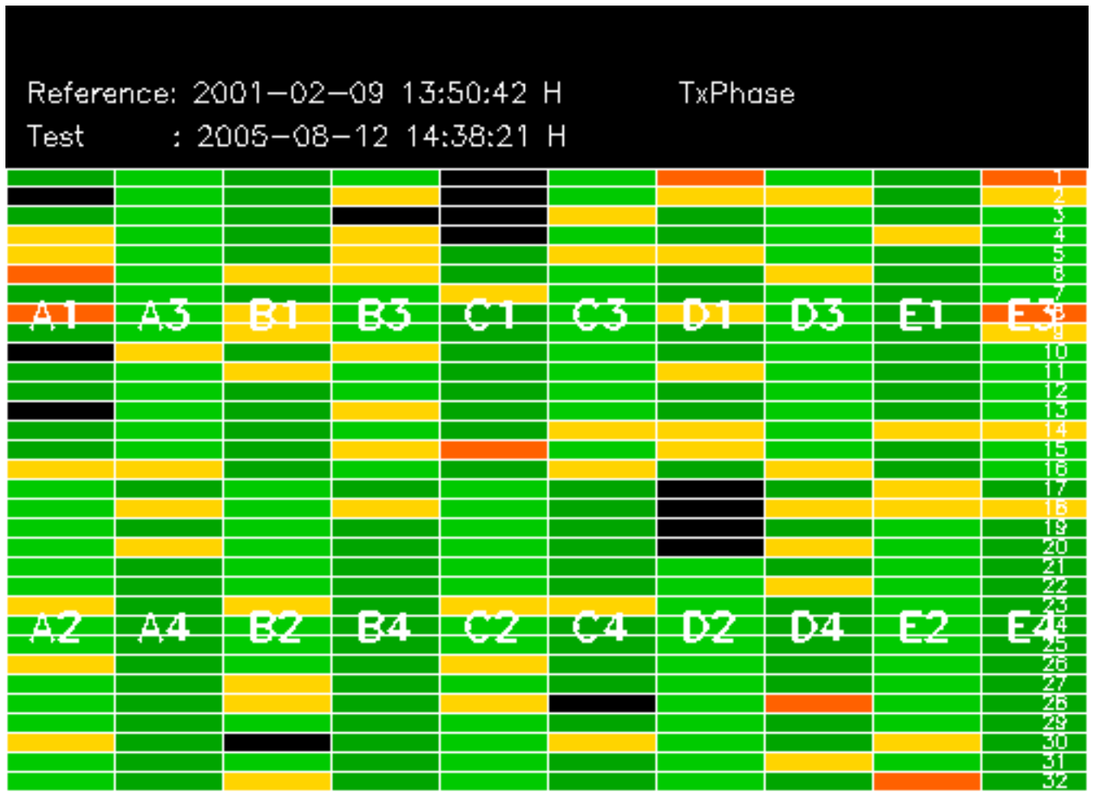
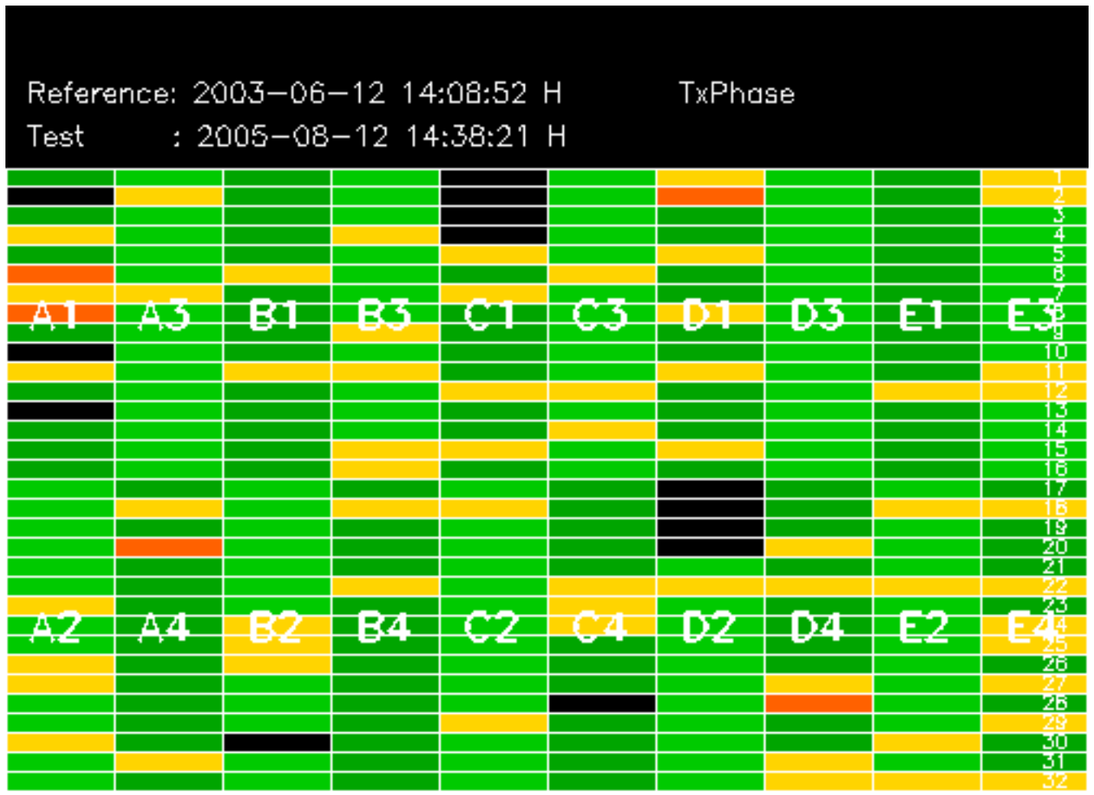
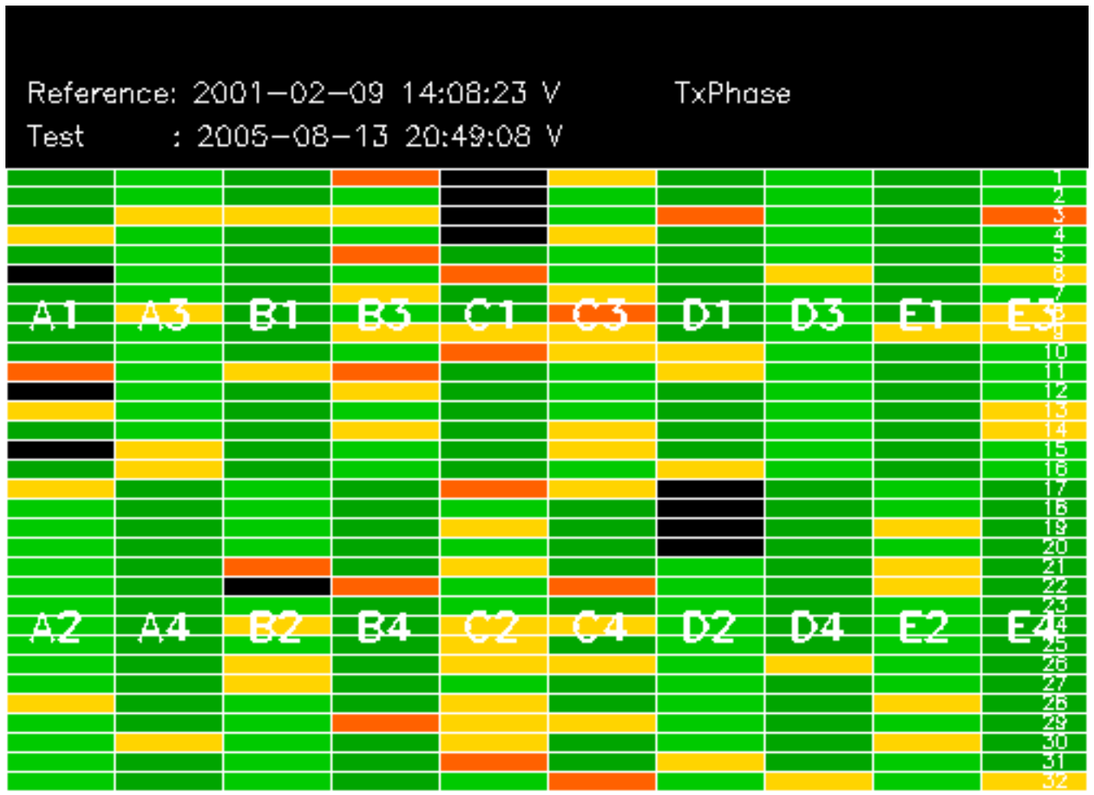
Summary of analysis for the last 3 days 2005081[234]
The assumptions is taken that the SQADS num_gaps and num_missing_lines fields are reliable indicators of telemetry problems
<table border=1>
<tr> <th>Filename </th><th>  num_gaps</th><th>num_missing_lines</th></tr>
<tr> <td>ASA_IMM_1PNPDE20050812_004347_000001572039_00446_18035_2259.N1 </td> <td>1 </td> <td>0 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050812_014214_000000612039_00446_18035_4254.N1 </td> <td>0 </td> <td>1 </td></tr>
<tr> <td>ASA_WSM_1PNPDE20050813_162408_000000912039_00470_18059_4387.N1 </td> <td>0 </td> <td>42 </td></tr>
</table><br><br><br>

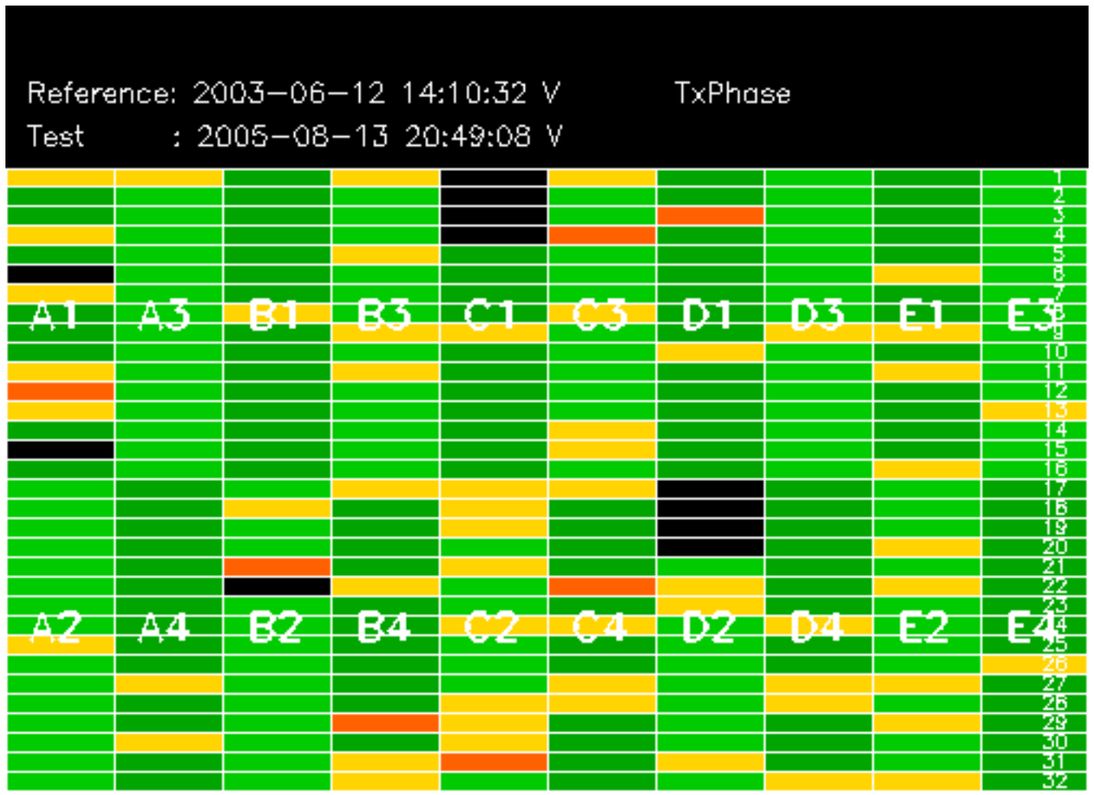

num_gaps
1
0.8
0.6
0.4
0.2
0
18030
18040
18050
18060
18070
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


num_missing_lines
50
40
30
20
10
0
18030
18040
18050
18060
18070
Orbit
ASA_IMM_1P_PDE
ASA_IMM_1P_PDK
ASA_WVS_1P_PDE
ASA_WVS_1P_PDK
ASA_GM1_1P_PDE
ASA_GM1_1P_PDK
ASA_WSM_1P_PDE
ASA_WSM_1P_PDK
ASA_APM_1P_PDE
ASA_APM_1P_PDK


Reference: 2001-02-09 13:50:42 H
TxPhase
Test : 2005-08-12 14:38:21 H
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:08:52 H
Test : 2005-08-12 14:38:21 H
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2001-02-09 14:08:23 V
TxPhase
Test : 2005-08-13 20:49:08 V
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4


Reference: 2003-06-12 14:10:32 V
Test : 2005-08-13 20:49:08 V
TxPhase
A1
A3
B1
B3
C1
C3
D1
D3
E1
E3
A2
A4
B2
B4
C2
C4
D2
D4
E2
E4
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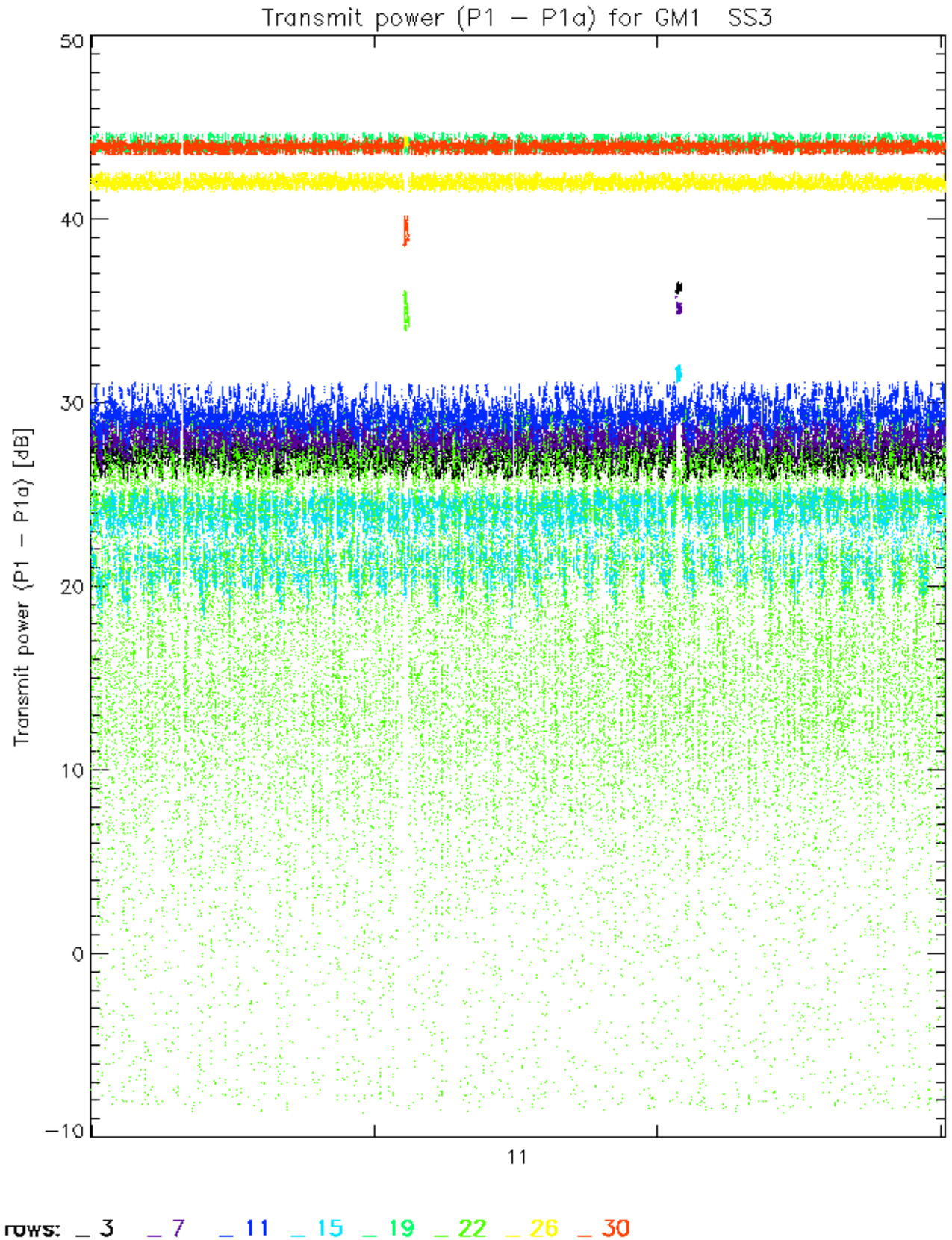
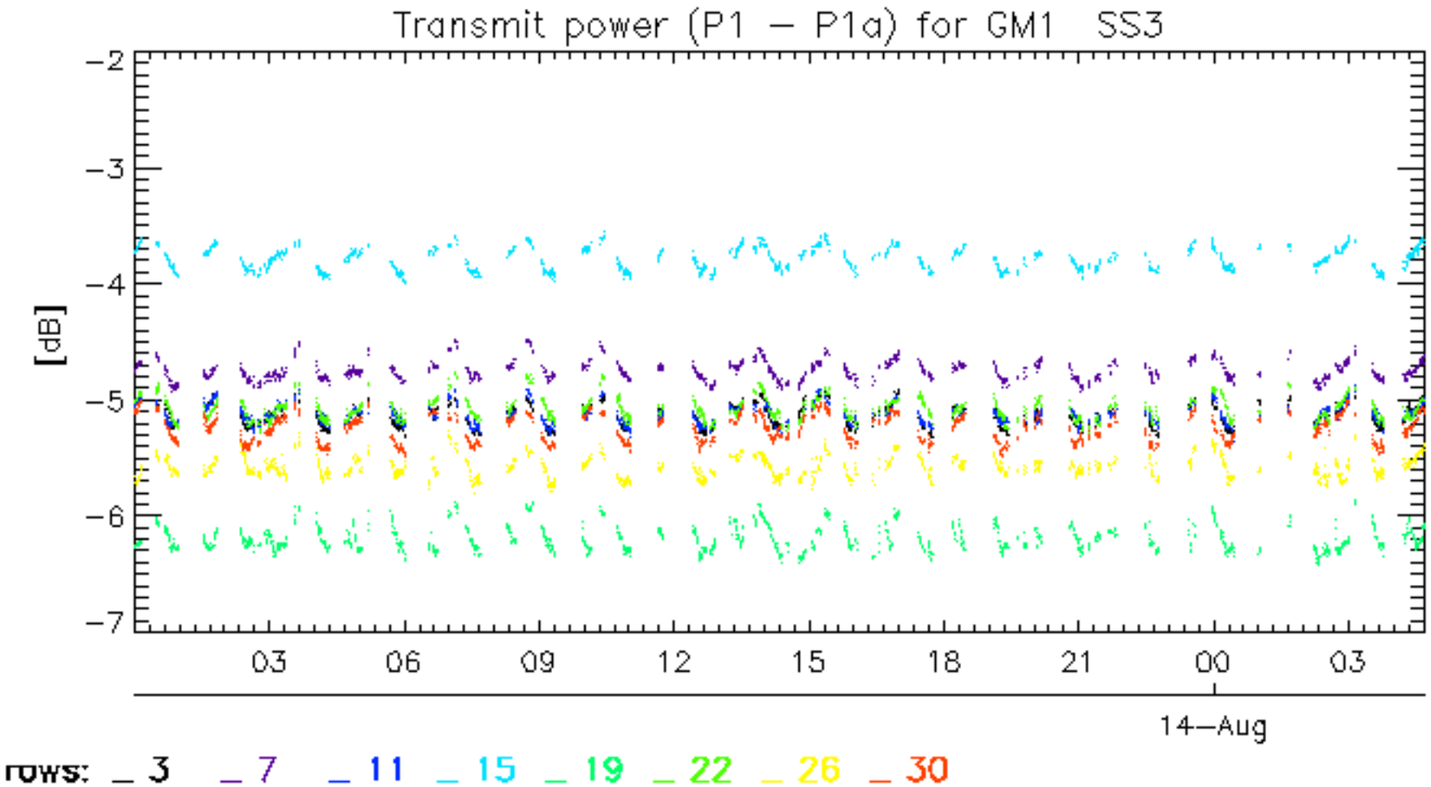
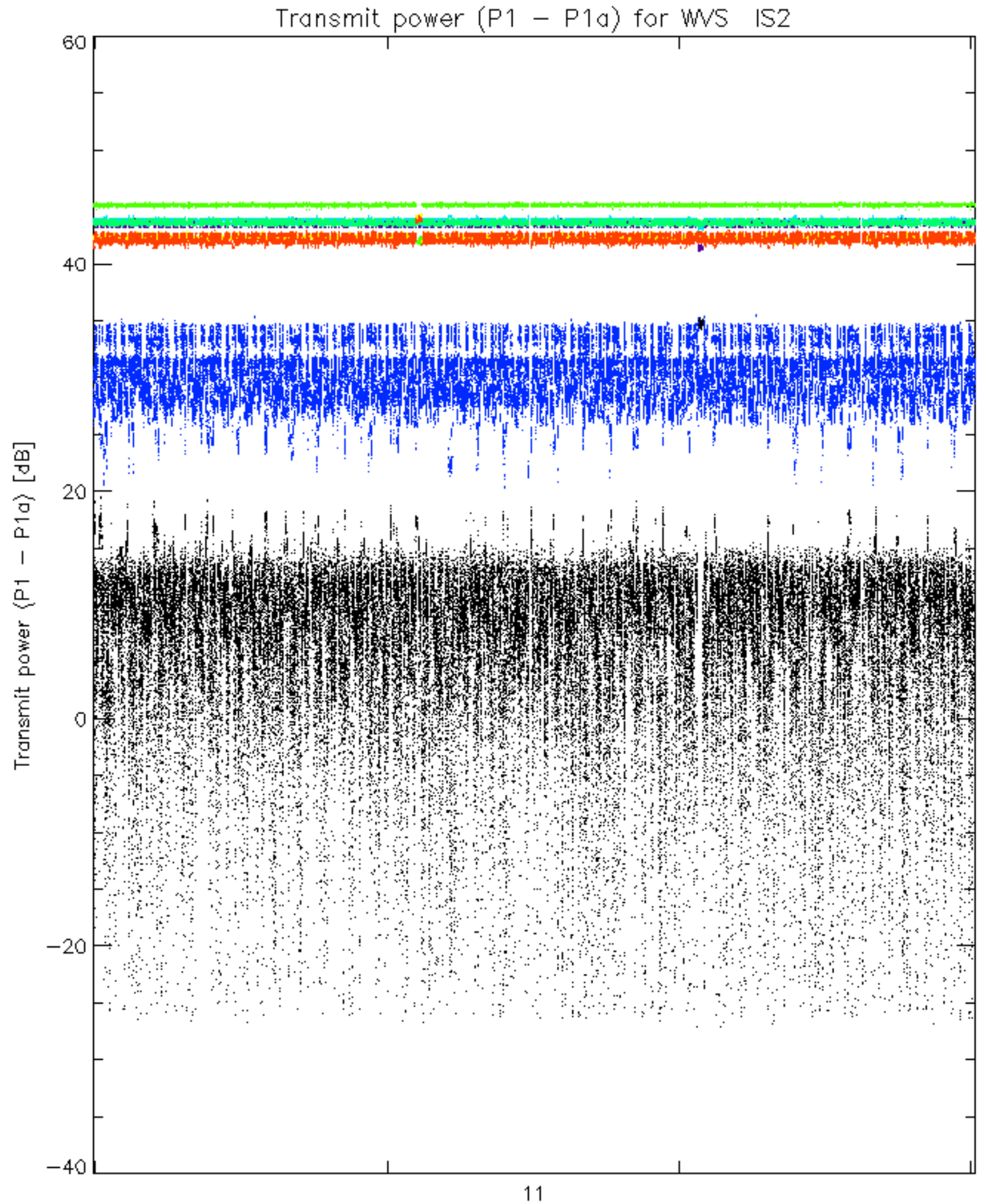
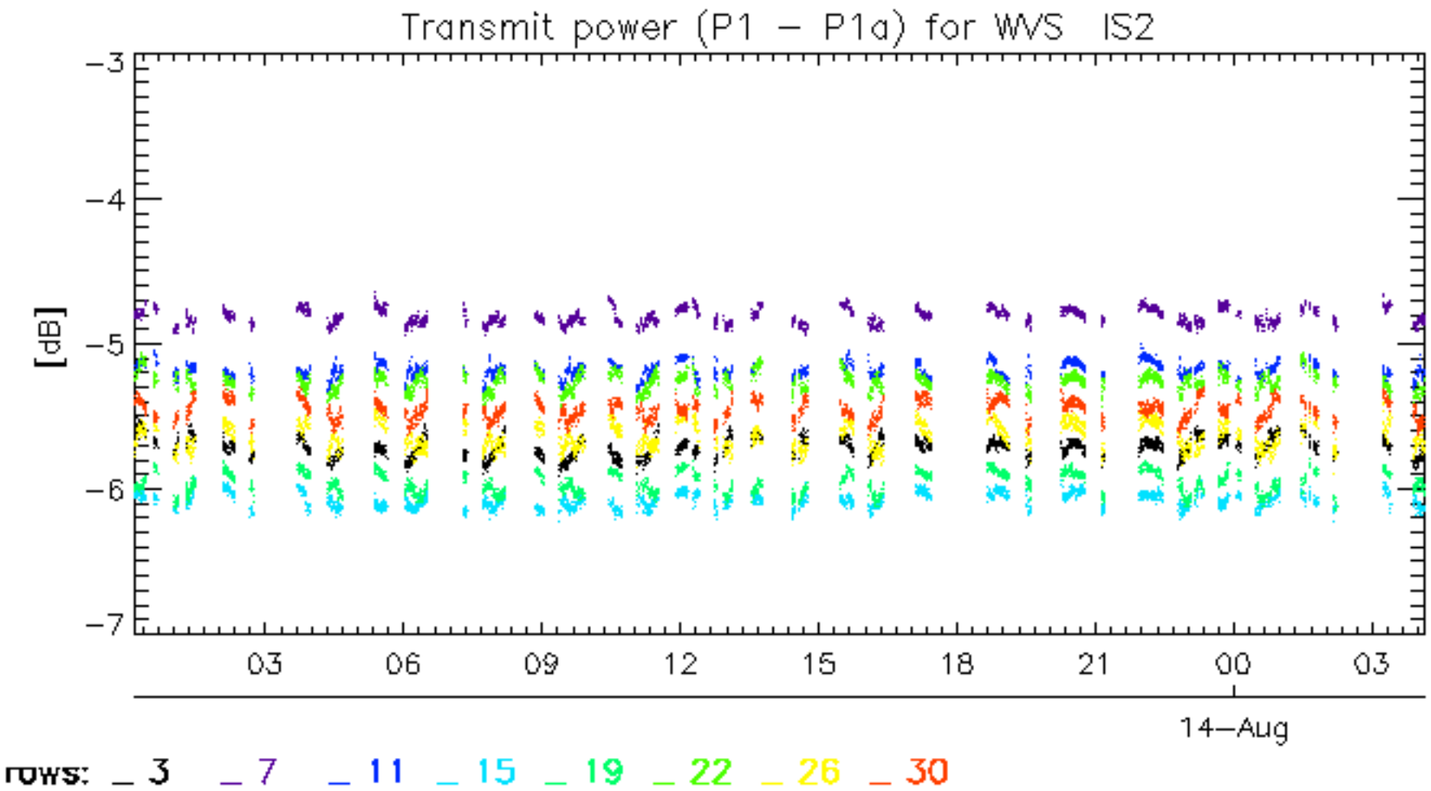

Transmit power (P1 – P1a) for GM1 SS3
Transmit power ⟨P1 – P1a⟩ [dB]
50
40
30
20
10
0
−10
11
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for GM1 SS3
[dB]
−2
−3
−4
−5
−6
−7
03
06
09
12
15
18
21
00
03
14–Aug
rows: _ 3 _ 7 _ 11 _ 15 _ 19 _ 22 _ 26 _ 30


Transmit power (P1 − P1a) for WVS IS2
60
40
20
0
−20
−40
Transmit power ⟨P1 − P1a⟩ [dB]
11
rows: 3 7 11 15 19 22 26 30


Transmit power (P1 – P1a) for WVS IS2
[dB]
−3
−4
−5
−6
−7
03
06
09
12
15
18
21
00
03
14–Aug
rows: 3 7 11 15 19 22 26 30

No unavailabilities during the reported period.